



More Than Antibodies

DB BIOTECH

The logo features the text "DB BIOTECH" in a bold, blue, sans-serif font. The letter "O" in "BIOTECH" is replaced by a green circle. Above the "B" in "BIOTECH" and below the "O" are several green circles of varying sizes, some with white centers, arranged in a scattered pattern. The tagline "More Than Antibodies" is written in a smaller, green, sans-serif font to the right of the "BIOTECH" text.

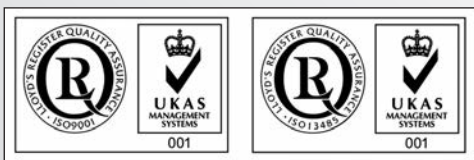
DB Biotech is focused on the design and production of high quality **rabbit clonal antibodies** developed by a novel and proprietary “**in vitro cloning technology**” which has been developed and perfected by the DB Biotech scientific team over a period of 9 years. DB Biotech mono-specific clonal antibodies are uniquely characterized by exceptional specificity, affinity and avidity.



The DB Biotech in-vitro cloning technology enables the preparation of a pure immunoglobulin fraction corresponding to a single clone of B lymphocytes. The obtained immunoglobulin recognizes only one single linear epitope on the antigen molecule, making a DB Biotech antibody comparable in quality to its monoclonal analogue. In addition, the influence of the protein tertiary structure – frequently present in epitopes formed during production of monoclonal antibodies – is eliminated in the immunoglobulins corresponding to the clonal antibody. DB Biotech produced antibodies correspond strictly to the conserved linear epitope of the antigen molecule, yielding a higher-quality, more specific antibody with significantly better affinity and avidity.

Founded in 2006, DB Biotech has earned an international reputation for the development of high quality antibodies used in research and routine clinical diagnostics. DB Biotech’s goal is to establish a new gold standard for the development and application of antibodies on a daily basis, from background-free western blots, to special quantitative diagnostics, and potential applications of humanized antibodies for disease treatment purposes.

DB Biotech also offers **custom services** for the custom **design and production** of clonal antibodies against any protein or its modification. Our customers provide the name of the protein, and a detailed description of the modification or amino-acid sequences of interest to them. Our scientists then use our unique and proprietary methodologies to overcome the inherent limitations of traditional monoclonal antibody development. The significant advantages of the DB Biotech antibody development system have been conclusively demonstrated in multiple applications worldwide. We actively participate in grant-funded research projects and welcome challenging requests from our clients.



Since 2011 our company has been providing highly sensitive/specific **protein identification services** with a flexible and professional customer approach.

The workflow for protein identification starts with the separation of a desired protein from the complex sample mixture according to the molecular weight using **SDS PAGE** or, in special cases, **FPLC**. We provide protein analysis from many different kinds of samples including blood, urine and cerebrospinal fluid as well as cell lysates and tissue samples.

The customer will receive a picture of the electroforetically separated sample for confirmation of “protein of interest”. In addition, Coomassie blue or silver stained gel bands or spots prepared by the customer can be directly used for analysis.



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More Than Antibodies
DB BIOTECH

ANTIBODIES
FOR IHC

More Than Antibodies
BIOTECH

DB 147

CAT#

CONCENTRATED

DB 147-0.1	(100 µl)
DB 147-0.2	(200 µl)
DB 147-0.5	(500 µl)
DB 147-1	(1 ml)

READY TO USE (RTU)

DB 147-RTU-7	(7 ml)
DB 147-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: M16-L

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the N-terminal sequence of human Alpha Smooth Muscle Actin. Antibody recognizes the epitope between Glu3 - Gly16.

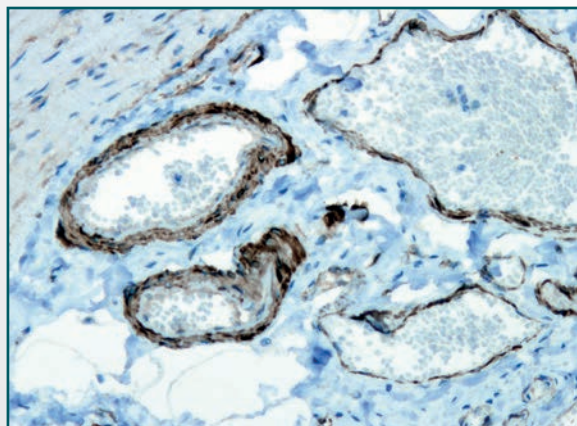
Cellular localization: cytoplasm, cytoskeleton

Positive control: tumors arising from smooth muscles and myoepithelial cells

Protein accession number: P62736

Application: IHC-P, dilution 1:100 - 1:200

This actin isoform is naturally expressed in smooth muscle cells. Detection of Smooth Muscle Actin is helping with the identification of leiomyosarcomas, leiomyomas and pleomorphic adenomas.



Alpha Smooth Muscle Actin positivity in the vessel walls of submucosa of small intestine tissue. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with DB 147 monospecific antibody according to related DB Biotech datasheet.

Anti - β -Actin

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: S12-I

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human β -actin. Antibody recognizes the epitope located between Lys359 - Ile369.

Cellular localization: cytoplasm, cytoskeleton

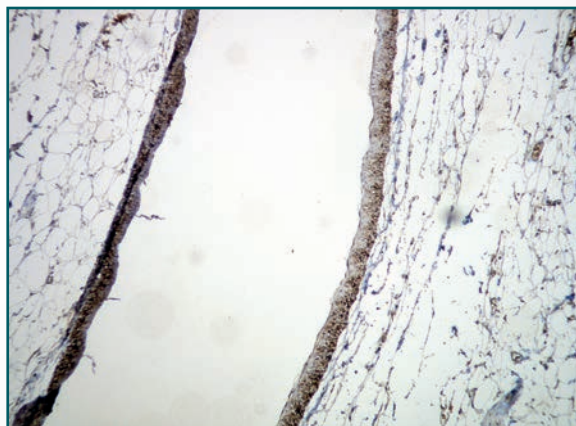
Positive control: muscle tissue, mesenteric vein tissue

Protein accession number: P60709

Application: IHC-P, dilution 1:100 - 1:300

PUBLICATIONS: L.K. Iwai et al (2001) Peptides 22, 853-60

β -Actin monospecific antibody detects endogenous levels of β -actin. This antibody may cross-react with the γ -actin (cytoplasmic) isoform. It does not cross-react with α -skeletal, α -cardiac, α -vascular smooth, or γ -enteric smooth muscle isoforms.



Actin expression in mesenteric vein, detected with anti - β -actin (DB 001) monospecific antibody. Formalin fixed, paraffin embedded human tissue (4 μ m section) stained according to related DB Biotech datasheet.

DB 001

CAT#

CONCENTRATED

DB 001-IHC-0.1	(100 μ l)
DB 001-IHC-0.2	(200 μ l)
DB 001-IHC-0.5	(500 μ l)
DB 001-IHC-1	(1 ml)

READY TO USE (RTU)

DB 001-IHC-RTU-7	(7 ml)
DB 001-IHC-RTU-15	(15 ml)

DB 159

CAT#

CONCENTRATED

DB 159-0.1	(100 µl)
DB 159-0.2	(200 µl)
DB 159-0.5	(500 µl)
DB 159-1	(1 ml)

READY TO USE (RTU)

DB 159-RTU-7	(7 ml)
DB 159-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: G11-G

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from human B-raf surrounding the Val-600 residue (corresponds to Val 637 of mouse or rat B-raf).

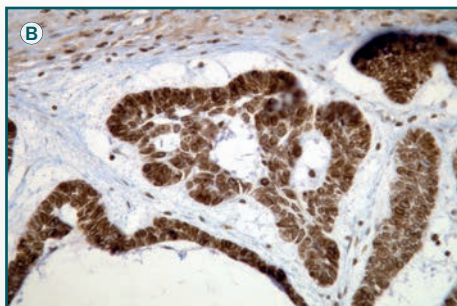
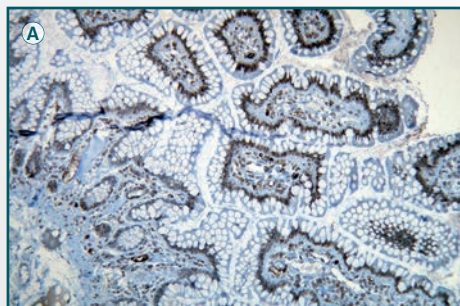
Cellular localization: nucleus, cytoplasm, cell membrane

Positive control: colon carcinoma tissue, brain tissue, prostate carcinoma tissue

Protein accession number: Human: P15056; Mouse: P28028; Rat: F1M9C3

Application: IHC-P, dilution 1:100 - 1:200

B-raf proto-oncogene belongs to a large group of serine/threonine kinases of RAF family, involved in the transduction of mitogenic signals from the cell membrane to the nucleus. This protein kinase is frequently mutated in thyroid cancer and human melanomas, less frequently in other types of malignant tissues, including colorectal cancers, lung cancers and gliomas. Ninety percent of B-raf mutations are represented by B-raf V600-E mutation, presented by up to 500-fold increased activation in MEK/ERK signaling in tumor cells.



Nuclear B-raf expression in the epithelium and stromal cells in normal bowel mucosa (A) and in the nuclei of basal cell carcinoma of the skin and dermal fibroblasts (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with Anti - B-raf (DB 159) monospecific antibody according to related DB Biotech datasheet.

Anti – C3d complement

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: E28-P

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human C3d complement fragment.

Cellular localization: secreted

Positive control: human skin tissue

Protein accession number: P01024

Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS: V.C. De Hoog et al (2014) Cardiovasc Res 103, 521-9

C3d is a fragment of C3 alpha chain of complement and plays the central role in complement activation process. Enhanced tissue expression of C3d relates to organ transplant rejection.

DB 106

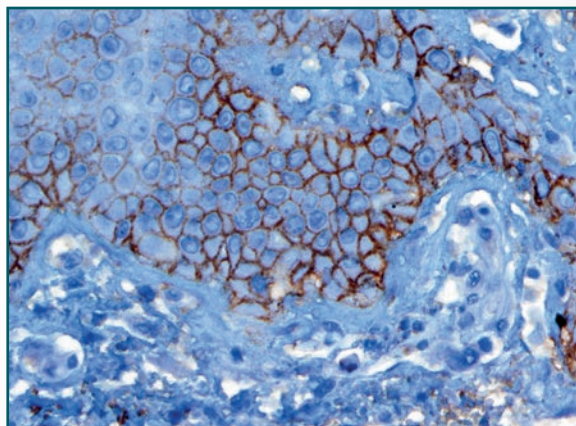
CAT#

CONCENTRATED

DB 106-0.1	(100 µl)
DB 106-0.2	(200 µl)
DB 106-0.5	(500 µl)
DB 106-1	(1 ml)

READY TO USE (RTU)

DB 106-RTU-7	(7 ml)
DB 106-RTU-15	(15 ml)



Skin biopsy from the lesion of the early pemphigus vulgaris (without blister formation), stained with anti-C3d complement (DB 106) antibody shows strong positive intraepidermal intercellular immunostaining. Formalin fixed, paraffin embedded human tissue (4 µm section) stained according to related DB Biotech datasheet.

DB 107

CAT#

CONCENTRATED

DB 107-0.1	(100 µl)
DB 107-0.2	(200 µl)
DB 107-0.5	(500 µl)
DB 107-1	(1 ml)

READY TO USE (RTU)

DB 107-RTU-7	(7 ml)
DB 107-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: A24-T

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from internal sequence of human C4.

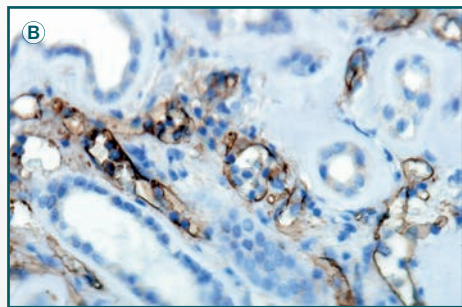
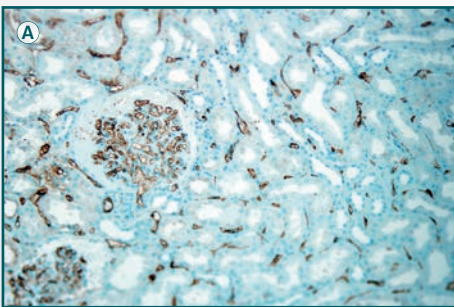
Cellular localization: secreted

Positive control: transplanted kidney tissue

Protein accession number: P0C0L4

Application: IHC-P, dilution 1:100 - 1:200

C4d is a split product of the complement C4 and its deposition serves as a sensitive and specific marker for antibody mediated rejection (AMR) of the transplanted organs. AMR is one of the most important adverse events after organ transplantation and if untreated, leads to significant graft loss. During AMR, C4d binds covalently to the target structures, which makes it easy to detect with corresponding antibodies. Currently, all renal transplant biopsies and biopsies from other organs as well, are required to stain with C4d antibody.



Transplanted kidney tissue stained with anti-C4d complement (DB 107) antibody shows diffuse strong positive immunostaining of peritubular and glomerular capillaries (A), indicating acute antibody mediated rejection and diffuse strong positive immunostaining of dilated peritubular moderate capillaries (B), indicating acute antibody mediated rejection. Both, formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - C4d complement (DB 107) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - CD1a

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: L21-A

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region, near the transmembrane domain of human CD1a. Antibody recognizes the epitope between Gly240 - Ala256.

Cellular localization: membrane

Positive control: skin tissue

Protein accession number: P06126

Application: IHC-P, dilution 1:100 - 1:200

DB 071

CAT#

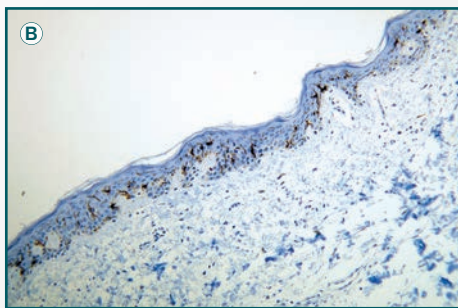
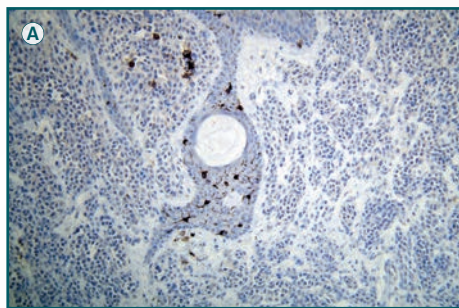
CONCENTRATED

DB 071-0.1	(100 µl)
DB 071-0.2	(200 µl)
DB 071-0.5	(500 µl)
DB 071-1	(1 ml)

READY TO USE (RTU)

DB 071-RTU-7	(7 ml)
DB 071-RTU-15	(15 ml)

CD1a has been shown to be expressed in dendritic cells and cortical thymocytes. This antigen is expressed on cells comprising Langerhans cell sarcoma and Langerhans cell histiocytosis.



CD1a expression in dendritic cells of the epidermis (Langerhans cells) (A and B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - CD1a (DB 071) monospecific clonal antibody according to related DB Biotech datasheet.

DB 082

CAT#

CONCENTRATED

DB 082-0.1	(100 µl)
DB 082-0.2	(200 µl)
DB 082-0.5	(500 µl)
DB 082-1	(1 ml)

READY TO USE (RTU)

DB 082-RTU-7	(7 ml)
DB 082-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: N26-R

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from cytoplasmic, C-terminal region of human CD3-epsilon chain. Antibody recognizes the epitope between Lys156 - Glu178.

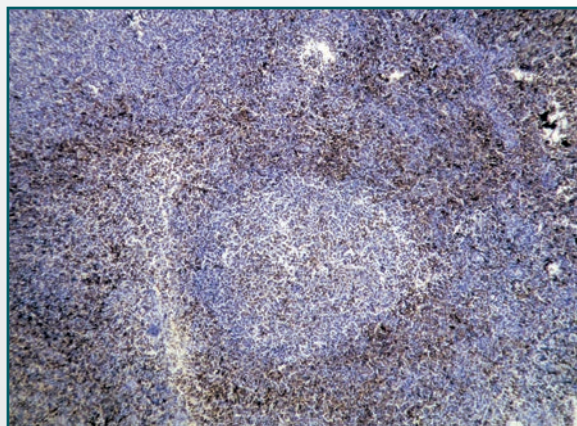
Cellular localization: membrane

Positive control: human tonsil tissue

Protein accession number: P07766

Application: IHC-P, dilution 1:100 - 1:200

CD3 has been considered universal T-cell marker. The positive staining of this marker may represent a sign of early commitment to the T-cell lineage.



CD3 positivity in T-lymphocytes of the normal lymph node, stained with anti-CD3 (DB 082) monospecific antibody. Formalin fixed, paraffin embedded human tissue (4 µm section) stained according to related DB Biotech data-sheet.

Anti - CD5

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: A25-G

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human CD5. Antibody recognizes the epitope between Ser447 - Ala467.

Cellular localization: membrane

Positive control: human tonsil tissue

Protein accession number: P06127

Application: IHC-P **dilution 1:100 - 1:200**

Transmembrane protein marker of lymphomas expressed on B and T cells. CD5 monospecific clonal rabbit antibody works exceptionally on lymph node and bone marrow biopsies. CD5 is a phenotypic marker of B cell lymphoproliferative diseases. CD5 positive B cell population is present in several autoimmune disorders, including diabetes mellitus (insulin-dependent), rheumatoid arthritis, or Sjögren syndrome. Expression of CD5 regulates the responsiveness of human T cell to interleukin-1. B cell lymphomas are relevant for CD5 antigen detection in related malignancies.

DB 027

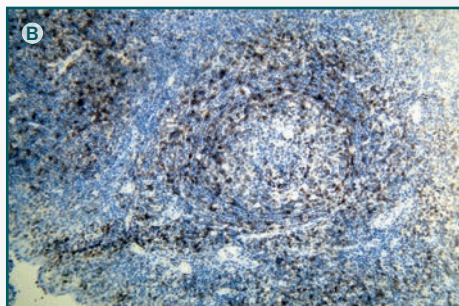
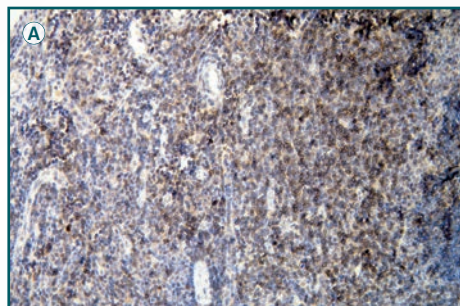
CAT#

CONCENTRATED

DB 027-0.1	(100 µl)
DB 027-0.2	(200 µl)
DB 027-0.5	(500 µl)
DB 027-1	(1 ml)

READY TO USE (RTU)

DB 027-RTU-7	(7 ml)
DB 027-RTU-15	(15 ml)



CD5 positive T-lymphocytes of the lymph node (A) and palatine tonsil (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - CD5 (DB 027) monospecific clonal antibody according to related DB Biotech datasheet.

DB 114

CAT#

CONCENTRATED

DB 114-0.1	(100 µl)
DB 114-0.2	(200 µl)
DB 114-0.5	(500 µl)
DB 114-1	(1 ml)

READY TO USE (RTU)

DB 114-RTU-7	(7 ml)
DB 114-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: C21-Q

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human CD7. Antibody recognizes the epitope between Val221 - Gln238.

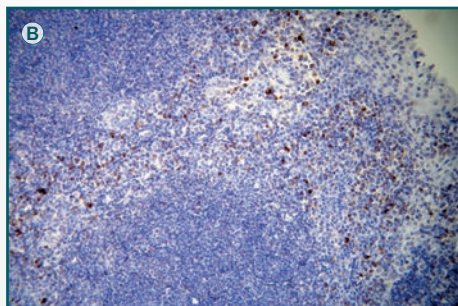
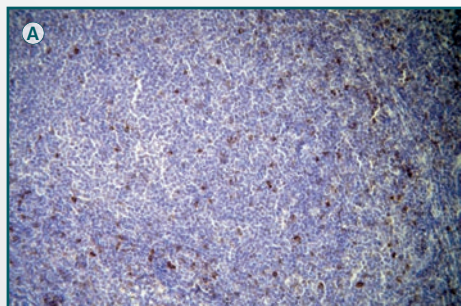
Cellular localization: membrane

Positive control: tonsil tissue

Protein accession number: P09564

Application: IHC-P, dilution 1:100 - 1:200

Transmembrane glycoprotein expressed on T-cells, NK-cells and some of hematopoietic cells. CD7 is a marker of early lymphoid development concerning the T- and B-cell interactions.



CD7 expression in T-lymphocytes of the lymph node (A) and palatine tonsil (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - CD7 (DB 114) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - CD8

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: P17-V

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human CD8. Antibody recognizes the epitope between Pro218 - Tyr234.

Cellular localization: membrane

Positive control: human tonsil tissue

Protein accession number: P01732

Application: IHC-P, dilution 1:100 - 1:200

The CD8 antigen is cell surface glycoprotein found on most cytotoxic T-lymphocytes that mediates efficient cell-cell interaction within the immune system. CD8 is a transmembrane glycoprotein that serves as co-receptor for the T-cell receptor. A primary function of CD8 is to facilitate antigen recognition by the TCR and to strengthen the avidity of the TCR-antigen interaction.

DB 085

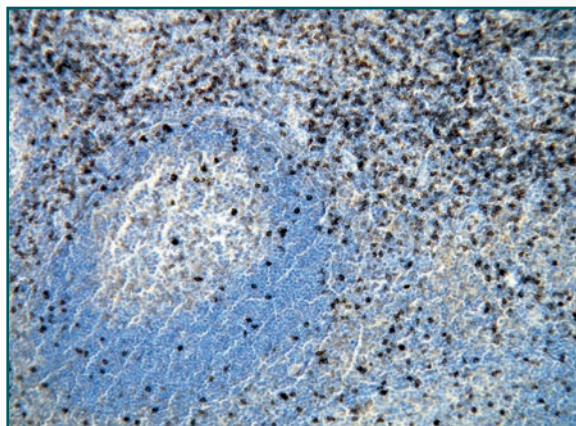
CAT#

CONCENTRATED

DB 085-0.1	(100 µl)
DB 085-0.2	(200 µl)
DB 085-0.5	(500 µl)
DB 085-1	(1 ml)

READY TO USE (RTU)

DB 085-RTU-7	(7 ml)
DB 085-RTU-15	(15 ml)



CD8 expression in T-lymphocytes of the palatine tonsil. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - CD8 (DB 085) monospecific clonal antibody according to related DB Biotech data-sheet.

DB 057

PRODUCT INFORMATION

CAT#

CONCENTRATED

DB 057-0.1	(100 µl)
DB 057-0.2	(200 µl)
DB 057-0.5	(500 µl)
DB 057-1	(1 ml)

READY TO USE (RTU)

DB 057-RTU-7	(7 ml)
DB 057-RTU-15	(15 ml)

Clone: G27-P

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human CD10. Antibody recognizes the epitope between Lys3 - Lys17.

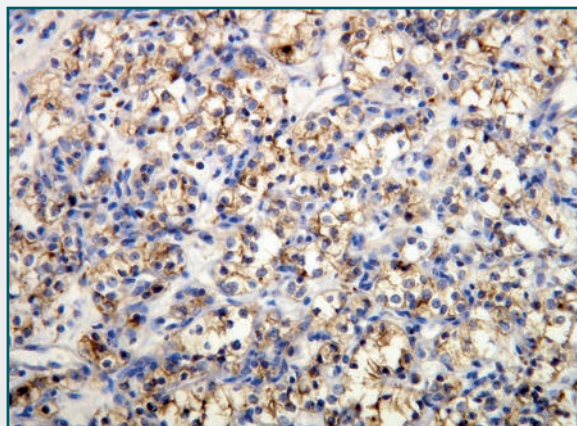
Cellular localization: membrane

Positive control: human tonsil tissue

Protein accession number: P08473

Application: IHC-P, dilution 1:100 - 1:300

Common acute lymphoblastic leukemia antigen (CALLA; CD10) is a useful marker for the characterization of childhood leukemia and B-cell lymphomas. This antibody reacts with antigen of lymphoblastic, Burkitt and follicular lymphomas as well as chronic myelocytic leukemia. Also, anti-CD10 detects the antigen of glomerular epithelial cells and the brush border of the proximal tubules.



Membranous CD10 positivity in the clear cell renal cell carcinoma. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - CD10 (DB 057) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - CD15

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: E26-A

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal region of human CD15. Antibody recognizes the epitope between Pro28 - Gly49.

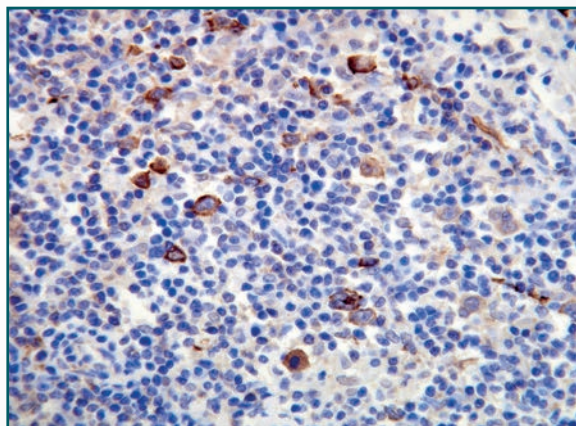
Cellular localization: membrane

Positive control: Hodgkin's lymphoma tissue, spleen tissue

Protein accession number: P22083

Application: IHC-P, dilution 1:100 - 1:200

CD15 (FUT-4; α -1,3-fucosyltransferase-4) belongs to the glycosyltransferase 10 family of proteins. CD15 may catalyze alpha-1,3 glycosidic linkages involved in the expression of Lewis X/SSEA-1 and VIM-2 antigens. CD15 is involved in the modulation of cell migration, invasion and cancer metastasis, influencing some of the major cellular signaling pathways.



Expression of CD15 in HRS cells of classical Hodgkin lymphoma. Formalin fixed, paraffin embedded human tissue (4 μ m section) stained with anti-CD15 monospecific clonal antibody (DB 211) according to related DB Bio-tech datasheet.

DB 211

CAT#

CONCENTRATED

DB 211-0.1	(100 μ l)
DB 211-0.2	(200 μ l)
DB 211-0.5	(500 μ l)
DB 211-1	(1 ml)

READY TO USE (RTU)

DB 211-RTU-7	(7 ml)
DB 211-RTU-15	(15 ml)

DB 041

PRODUCT INFORMATION

CAT#

CONCENTRATED

DB 041-0.1	(100 µl)
DB 041-0.2	(200 µl)
DB 041-0.5	(500 µl)
DB 041-1	(1 ml)

READY TO USE (RTU)

DB 041-RTU-7	(7 ml)
DB 041-RTU-15	(15 ml)

Clone: E17-P

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human CD20. Antibody recognizes the epitope between Pro283 - Ser295.

Cellular localization: membrane

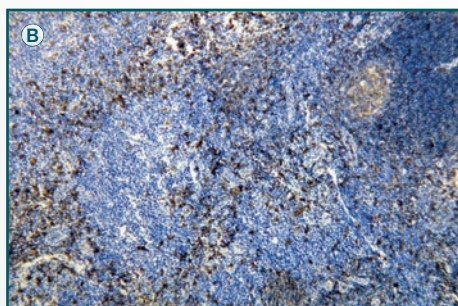
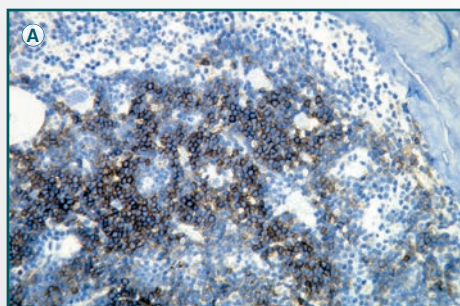
Positive control: human tonsil tissue

Protein accession number: P11836

Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS: Y. Shao et al (2014) Cancer Lett 355, 264-72

CD20 (transmembrane phosphoprotein) is naturally expressed in peripheral B cells and certain subsets of T cells. It is overexpressed in malignancies such as lymphomas, skin melanoma cells and in B cell related malignancies. In IHC-P applications the CD20 is mostly applied for diagnosis of lymphoid carcinomas.



Chronic lymphocytic leukemia cells in the bone marrow biopsy, showing CD20 expression (A). CD20 expression in b-lymphocytes of the palatine tonsil (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - CD20 (DB 041) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - CD21

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: Q22-S

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human CD21. Antibody recognizes the epitope between Ala1015 - Ala1032.

Cellular localization: membrane

Positive control: tonsil

Protein accession number: P20023

Application: IHC-P, dilution 1:100 - 1:200

CD21 protein is expressed in a variety of cells, including mature B cells, follicular dendritic cells, immature thymocytes and T lymphocytes. The antibody detects follicular dendritic cell tumors/sarcomas.

DB 213

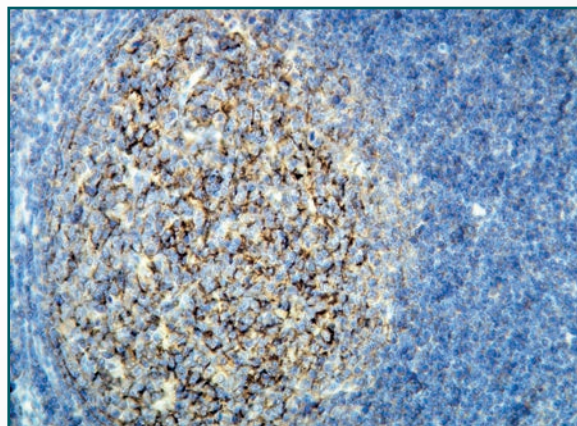
CAT#

CONCENTRATED

DB 213-0.1	(100 µl)
DB 213-0.2	(200 µl)
DB 213-0.5	(500 µl)
DB 213-1	(1 ml)

READY TO USE (RTU)

DB 213-RTU-7	(7 ml)
DB 213-RTU-15	(15 ml)



Expression of CD21 in follicular dendritic cells - lymphoid follicle of the tonsil. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti-CD21 monospecific clonal antibody (DB 213) according to related DB Biotech datasheet.

DB 135

CAT#

CONCENTRATED

DB 135-0.1	(100 µl)
DB 135-0.2	(200 µl)
DB 135-0.5	(500 µl)
DB 135-1	(1 ml)

READY TO USE (RTU)

DB 135-RTU-7	(7 ml)
DB 135-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: E28-S

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human CD23. Antibody recognizes the epitope between Gly295 - His320.

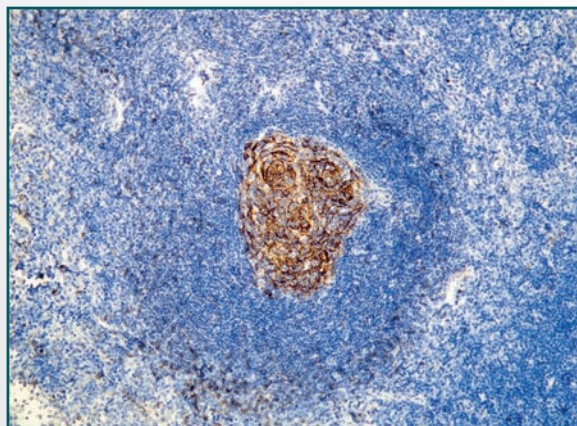
Cellular localization: membrane

Positive control: human tonsil tissue

Protein accession number: P06734

Application: IHC-P, dilution 1:100 - 1:300

The low affinity receptor for IgE is a transmembrane protein, promoting the activation and differentiation of B cells and stimulating the release of pro-inflammatory cytokines from monocytes.



CD23 expression in follicular dendritic cells of the lymph node. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with DB 135, anti - CD23 monospecific antibody according to related DB Biotech datasheet.

Anti - CD34

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: Q19-E

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal sequence of human CD34. Antibody recognizes the epitope between Ala367 - Leu385.

Cellular localization: membrane

Positive control: small vessel endothelium of different tissues

Protein accession number: P28906

Application: IHC-P, dilution 1:100 - 1:200

DB 151

CAT#

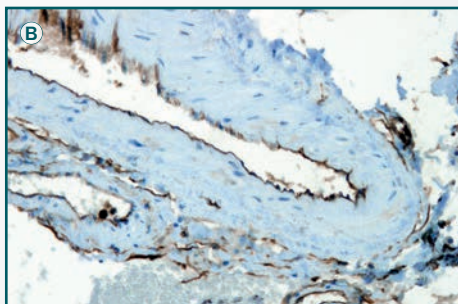
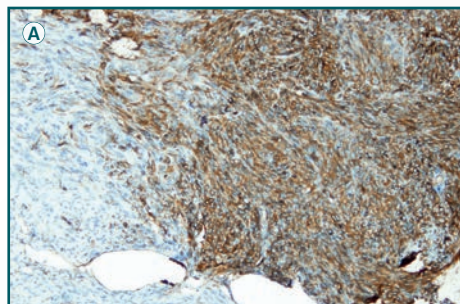
CONCENTRATED

DB 151-0.1	(100 µl)
DB 151-0.2	(200 µl)
DB 151-0.5	(500 µl)
DB 151-1	(1 ml)

READY TO USE (RTU)

DB 151-RTU-7	(7 ml)
DB 151-RTU-15	(15 ml)

CD34 cell surface glycoprotein is expressed in hematopoietic stem cells and in blood progenitor cells. In cancer, CD34 is detected in the majority of vascular tumors, acute myeloid leukemia, lymphoblasts and solitary fibrous tumors.



Focal CD34 positivity in the GIST (gastrointestinal stromal tumor) of small intestine (A) and in the endothelium of the muscular artery (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with DB 151 monospecific antibody according to related DB Biotech datasheet.

DB 042

CAT#

CONCENTRATED

DB 042-0.1	(100 µl)
DB 042-0.2	(200 µl)
DB 042-0.5	(500 µl)
DB 042-1	(1 ml)

READY TO USE (RTU)

DB 042-RTU-7	(7 ml)
DB 042-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: E19-G

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human CD45. Antibody recognizes the epitope between Glu1277 - Val1292.

Cellular localization: membrane

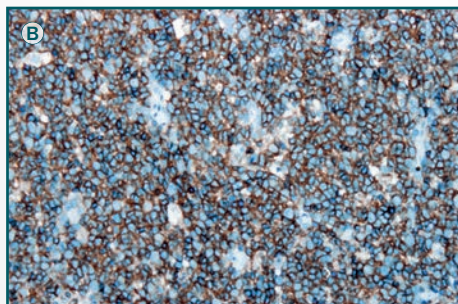
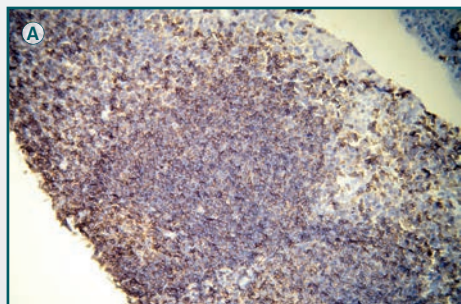
Positive control: human tonsil tissue

Protein accession number: P08575

Application: IHC-P, dilution 1:100 - 1:1000

PUBLICATIONS: G. Attard et al (2011) Clin Cancer Res 17, 3048-9

Protein tyrosine phosphatase receptor CD45 is expressed on all leukocytes. Alternate expression is detected in all lymphomas, hairy cell leukemias and acute non-lymphocytic leukemia. This transmembrane protein (type I), originally called leukocyte common antigen, is present on differentiated hematopoietic cells (except erythrocytes and platelets) and highly expressed in hairy cell leukemia, lymphomas, B cell chronic lymphocytic leukemia and acute non-lymphocytic leukemia.



CD45 (leukocyte common antigen, LCA) expression in lymphoid cells of the palatine tonsil (A) and lymph node (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - CD45 (DB 042) monospecific clonal antibody according to related DB Biotech datasheet.

Anti – CD57

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: E20-I

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human CD57. Antibody recognizes the epitope between Lys316 - Val332.

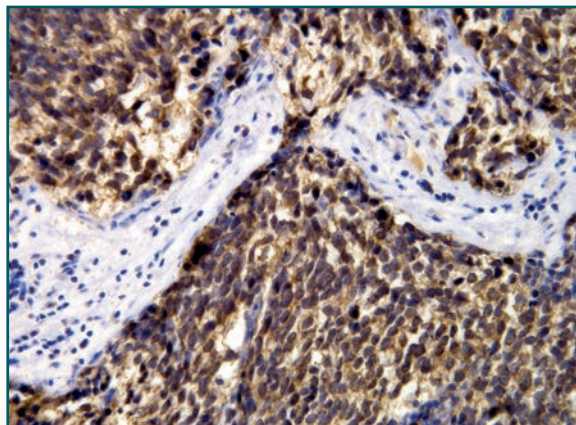
Cellular localization: Golgi apparatus membrane

Positive control: brain tissue

Protein accession number: Human: Q9P2W7;
Mouse: Q9CW73; Rat: O35789

Application: IHC-P, dilution 1:100 - 1:200

CD57 is expressed on a subset of peripheral blood lymphocytes, including CD8+ T cells and NK cells, on neural cell and in striated muscle cells. CD57 expression is increased in diseases associated with CD4/CD8 imbalances – in autoimmune disorders and others. The overexpression of CD57 has been also detected in myelomas, gastric and colorectal cancer.



Poorly differentiated human neuroblastoma tissue stained with anti-CD57 (DB 216) monoclonal antibody. Formalin fixed, paraffin embedded human tissue (4 μ m section) stained according to related DB Bio-tech datasheet.

DB 216

CAT#

CONCENTRATED

DB 216-0.1	(100 μ l)
DB 216-0.2	(200 μ l)
DB 216-0.5	(500 μ l)
DB 216-1	(1 ml)

READY TO USE (RTU)

DB 216-RTU-7	(7 ml)
DB 216-RTU-15	(15 ml)

DB 062

CAT#

CONCENTRATED

DB 062-0.1	(100 µl)
DB 062-0.2	(200 µl)
DB 062-0.5	(500 µl)
DB 062-1	(1 ml)

READY TO USE (RTU)

DB 062-RTU-7	(7 ml)
DB 062-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: R21-V

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human CD117. Antibody recognizes the epitope between Ile957 - His973.

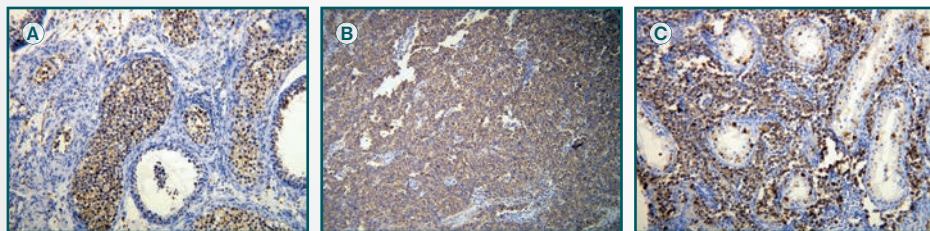
Cellular localization: membrane, cytoplasm

Positive control: human large bowel stromal tumor tissue

Protein accession number: P10721

Application: IHC-P, dilution 1:100 - 1:200

This receptor tyrosine kinase, also known as proto-oncogene c-Kit, is expressed mostly at the surface of hematopoietic cells. Its altered expression and/or mutations are detected in several types of cancer. Overexpression of CD117 is associated with melanomas, seminomas, acute myeloid leukemia and gastrointestinal tumors.



Membranous CD117 positivity in the classical seminoma (A, B and C). All, formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - CD117 (DB 062) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - CD163

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: K20-T

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human CD163. Antibody recognizes the epitope between Gly134 - Gly148.

Cellular localization: cytoplasm, membrane

Positive control: human placenta tissue

Protein accession number: Q86VB7

Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS:

M. Weber et al (2015) Br J Cancer 113, 510-9

F. Wehrhan et al (2014) BMC Cancer, 14:522

J. Park, E.B. Lee, Y.W. Song (2014) Scand J Rheumatol 43, 403-8

M. Weber et al (2014) J Craniomaxillofac Surg 42, 1087-94

A. Geirsson et al (2012) Circulation 126, S189-97

X.Z. Ye et al (2012) J Immunol 189, 444-53

V.L. Gadd et al (2013) Liver Int 33, 569-79

J. Drouin-Ouellet et al (2015) Ann Neurol 78, 160-77

F. Cicchetti et al (2014) Ann Neurol 76, 31-42

DB 045

CAT#

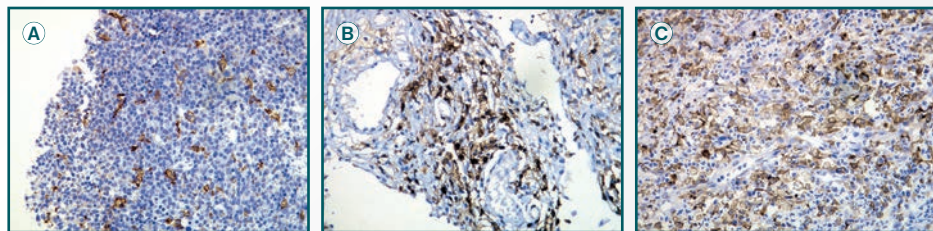
CONCENTRATED

DB 045-0.1	(100 µl)
DB 045-0.2	(200 µl)
DB 045-0.5	(500 µl)
DB 045-1	(1 ml)

READY TO USE (RTU)

DB 045-RTU-7	(7 ml)
DB 045-RTU-15	(15 ml)

Hemoglobin scavenger receptor-CD163 is expressed on surface of monocytes and macrophages with the expression alteration in several types of cancer. Infiltration of these cells in tumor tissue is used for immunochemical diagnostics of different types of cancer. A connection between CD163 positivity and acute myeloid leukemia with monocytic differentiation is evident.



CD163 expression in the macrophages of the bone marrow (A). Organizing stage of leukomalacia CD163-positive macrophages (B) and CD163-positive macrophages in the abscess of the liver (C). All, formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - CD163 (DB 045) monospecific clonal antibody according to related DB Biotech datasheet.

DB 094

CAT#

CONCENTRATED

DB 094-0.1	(100 µl)
DB 094-0.2	(200 µl)
DB 094-0.5	(500 µl)
DB 094-1	(1 ml)

READY TO USE (RTU)

DB 094-RTU-7	(7 ml)
DB 094-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: A24-V

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human C-erbB-2. Antibody recognizes the epitope between Pro1233 - Pro1254.

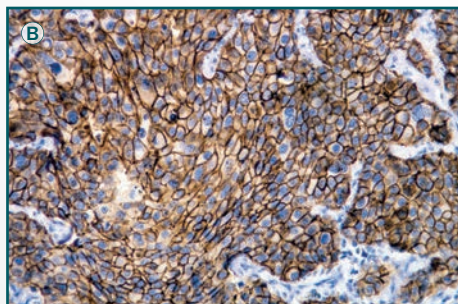
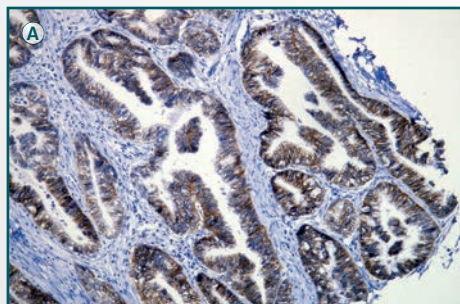
Cellular localization: membrane, cytoplasm

Positive control: breast ductal carcinoma tissue

Protein accession number: P04626

Application: IHC-P, dilution 1:100 - 1:300

Also known as Her-2/neu, this protein marker is often over-expressed in breast cancer. The IHC-P bioptic examination often offers the predictive and prognostic information.



C-erbB-2 protein expression (3+) in adenocarcinoma of stomach (A) and in breast ductal carcinoma (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - C-erbB-2 (DB 094) monospecific antibody according to related DB Biotech datasheet.

Anti – Chromogranin A

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: D25-R

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human Chromogranin A. Antibody recognizes the epitope between Thr43 - Arg65.

Cellular localization: cytoplasm, secreted

Positive control: neuroendocrine tumors

Protein accession number: P10645

Application: IHC-P, dilution 1:100 - 1:200

DB 157

CAT#

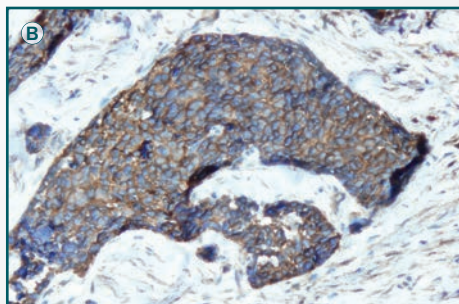
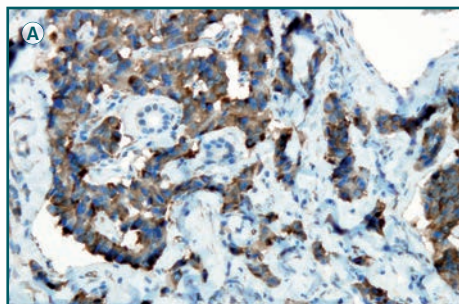
CONCENTRATED

DB 157-0.1	(100 µl)
DB 157-0.2	(200 µl)
DB 157-0.5	(500 µl)
DB 157-1	(1 ml)

READY TO USE (RTU)

DB 157-RTU-7	(7 ml)
DB 157-RTU-15	(15 ml)

Chromogranin A is a major member of the family of acidic secretory glycoproteins, expressed in all endocrine and neuroendocrine cells. Chromogranin A expression has been detected in number of neuroendocrine tumors, including pheochromocytomas, medullary thyroid carcinomas, pituitary adenomas and Merkel cell tumors.



Cytoplasmic expression of Chromogranin A in: neuroendocrine tumor of the pancreas (NET, grade 1, A) and neuroendocrine tumor of the small intestine (NET, grade 1, B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Chromogranin A antibody (DB 157) according to related DB Biotech datasheet.

DB 158

CAT#

CONCENTRATED

DB158-IHC-0.1	(100 µl)
DB158-IHC-0.2	(200 µl)
DB158-IHC-0.5	(500 µl)
DB158-IHC-1	(1 ml)

READY TO USE (RTU)

DB158-IHC-RTU-7	(7 ml)
DB158-IHC-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: N28-A

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Chromogranin A. Antibody recognizes the epitope between Arg427 - Ala453.

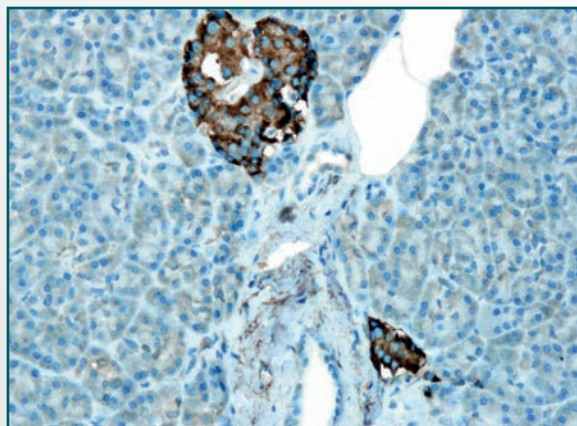
Cellular localization: cytoplasm, secreted

Positive control: neuroendocrine tumors

Protein accession number: P10645

Application: IHC-P, dilution 1:100 - 1:200

Chromogranin A is a major member of the family of acidic secretory glycoproteins, expressed in all endocrine and neuroendocrine cells. Chromogranin A expression has been detected in number of neuroendocrine tumors, including pheochromocytomas, medullary thyroid carcinomas, pituitary adenomas and Merkel cell tumors.



Cytoplasmic expression of Chromogranin A in normal pancreatic islets of Langerhans. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Chromogranin A antibody (DB 158) according to related DB Biotech datasheet.

Anti – Cyclin D1

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: E16-I

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cyclin D1. Antibody recognizes the epitope between Val282 - Val293.

Cellular localization: nucleus

Positive control: lymphoma-lymph node tissue

Protein accession number: P24385

Application: IHC-P, dilution 1:100 - 1:200

DB 066

CAT#

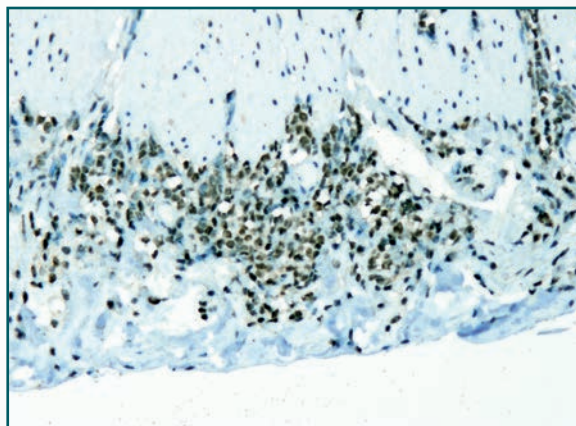
CONCENTRATED

DB 066-0.1	(100 µl)
DB 066-0.2	(200 µl)
DB 066-0.5	(500 µl)
DB 066-1	(1 ml)

READY TO USE (RTU)

DB 066-RTU-7	(7 ml)
DB 066-RTU-15	(15 ml)

Cyclin D1 is a putative proto-oncogene overexpressed in a wide variety of human neoplasms. This antibody is useful for separating mantle cell lymphomas (anti-Cyclin D1 positive) from small lymphocytic lymphomas (SLLs) and small cleaved cell lymphomas (anti-Cyclin D1 negative).



Intestinal Mantle-Cell Lymphoma showing nuclear Cyclin D1 positivity. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Cyclin D1 (DB 066) monospecific clonal antibody according to related DB Biotech datasheet.

DB 097

CAT#

CONCENTRATED

DB 097-0.1	(100 µl)
DB 097-0.2	(200 µl)
DB 097-0.5	(500 µl)
DB 097-1	(1 ml)

READY TO USE (RTU)

DB 097-RTU-7	(7 ml)
DB 097-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: T16-K

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Cytokeratin 6. Antibody recognizes the epitope (identical with Cytokeratin 5) between Thr548 – His564.

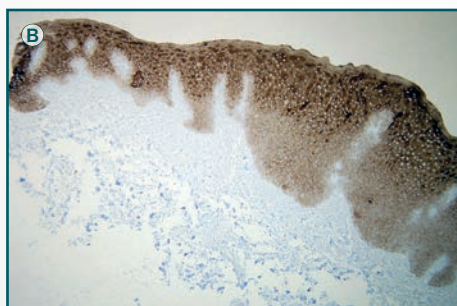
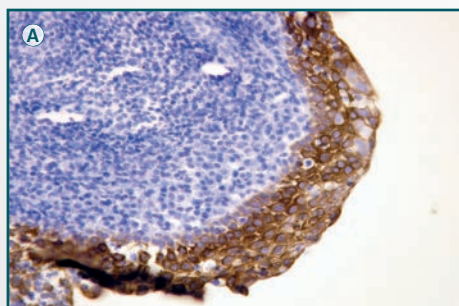
Cellular localization: cytoplasm

Positive control: skin or prostate tissue (basal cells); squamous cell carcinoma tissue

Protein accession number: P13647 (CK5), P02538 (CK6)

Application: IHC-P, dilution 1:100 - 1:200

The antibody detects a high molecular weight Cytokeratins 5 and 6. Immunoreactivity of Cytokeratin 5/6 had been observed in a majority of malignant mesotheliomas. Cytokeratin 5 is also expressed in normal basal cells, and Cytokeratin 6 is expressed in suprabasal keratinocytes of normal skin.



Cytokeratin 5/6 expression in the tonsillar epithelium, manual staining (A) and expression in the epidermis of the skin, automated staining (Ventana) (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Cytokeratin 5/6, (DB 097) monospecific clonal antibody according to related DB Biotech datasheet.

Anti – Cytokeratin 7

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: R17-S

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human Cytokeratin 7. Antibody recognizes the epitope between Ala22 - Ser38.

Cellular localization: cytoplasm

Positive control: human pancreatic adenocarcinoma tissue

Protein accession number: P08729

Application: IHC-P, dilution 1:100 - 1:200

DB 051

CAT#

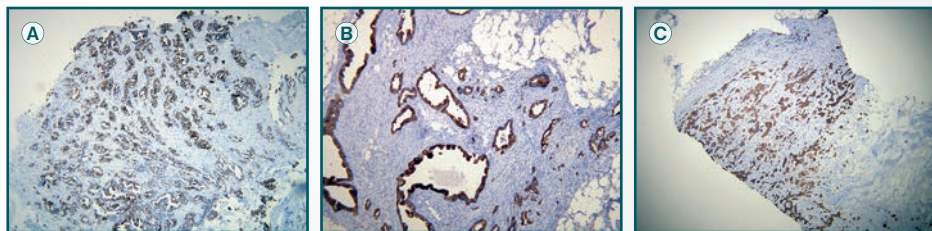
CONCENTRATED

DB 051-0.1	(100 µl)
DB 051-0.2	(200 µl)
DB 051-0.5	(500 µl)
DB 051-1	(1 ml)

READY TO USE (RTU)

DB 051-RTU-7	(7 ml)
DB 051-RTU-15	(15 ml)

Low molecular weight cytokeratin. Its expression is restricted to the epithelia and their neoplasms. Overexpression of CK7 had been detected in the majority of epithelial carcinomas. It is successfully used in detection of renal cell carcinomas, ovarian metastatic carcinomas and in discriminating the primary pulmonary adenocarcinoma from metastatic adenocarcinoma.



Pulmonary adenocarcinoma (A), ductal pancreatic adenocarcinoma (B) and ductal carcinoma of the breast (C) showing diffuse CK7 positivity. Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Cytokeratin 7 (DB 051) monospecific clonal antibody according to related DB Biotech datasheet.

DB 098

CAT#

CONCENTRATED

DB 098-0.1	(100 µl)
DB 098-0.2	(200 µl)
DB 098-0.5	(500 µl)
DB 098-1	(1 ml)

READY TO USE (RTU)

DB 098-RTU-7	(7 ml)
DB 098-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: R15-K

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cytokeratin 8. Antibody recognizes the epitope between Arg469 - Pro482.

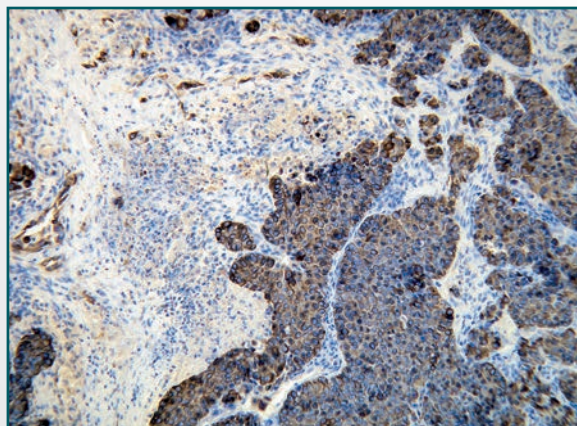
Cellular localization: cytoplasm

Positive control: stomach adenocarcinoma, colon adenocarcinoma tissue

Protein accession number: P05787

Application: IHC-P, dilution 1:100 - 1:200

This antibody is used for detection of epithelium-related cancer of human colon carcinoma. CK8 expression is associated with some other types of cancer as well.



CK8 expression in T-lymphocytes of the palatine tonsil. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Cytokeratin 8 (DB 098) monospecific clonal antibody according to related DB Biotech datasheet.

Anti – Cytokeratin 14

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: D19-N

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cytokeratin 14. Antibody recognizes the epitope between Val455 - Lys471.

Cellular localization: cytoplasm

Positive control: skin squamous cell carcinoma tissue, tonsil tissue

Protein accession number: P02533

Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS: M. Maeda et al (2015) Gastrointest Endosc 82, 147-52

Epithelial cytokeratin found in squamous basal cells, myoepithelium and mesothelial cells. Used in diagnostics of metastatic breast carcinoma.

DB 099

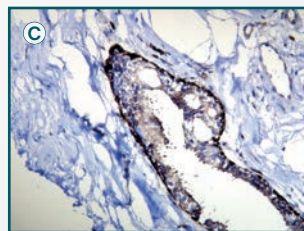
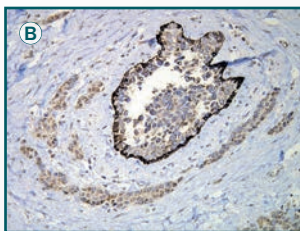
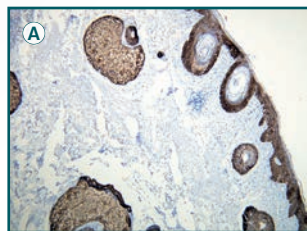
CAT#

CONCENTRATED

DB 099-0.1	(100 µl)
DB 099-0.2	(200 µl)
DB 099-0.5	(500 µl)
DB 099-1	(1 ml)

READY TO USE (RTU)

DB 099-RTU-7	(7 ml)
DB 099-RTU-15	(15 ml)



CK14 expression in the epidermal and skin-adnexal epithelial cells (A), myoepithelial cells of DCIS of the breast (B) and ductal myoepithelial cells of the breast (C). All, formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Cytokeratin 14 (DB 099) monospecific clonal antibody according to related DB Biotech datasheet.

DB 100

CAT#

CONCENTRATED

DB 100-0.1	(100 µl)
DB 100-0.2	(200 µl)
DB 100-0.5	(500 µl)
DB 100-1	(1 ml)

READY TO USE (RTU)

DB 100-RTU-7	(7 ml)
DB 100-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: R20-S

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cytokeratin 16. Antibody recognizes the epitope between Gln454 - Gln471.

Cellular localization: cytoplasm

Positive control: skin squamous cell carcinoma tissue

Protein accession number: P08779

Application: IHC-P, dilution 1:100 - 1:200

Abnormal expression of CK16 is found in epithelial cancer – cervical squamous carcinoma, non-melanocytic skin cancer and basal cell carcinoma.



CK16 expressed in the luminal cells of the sweat glands of the human skin. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Cytokeratin 16 (DB 100) monospecific clonal antibody according to related DB Biotech datasheet.

Anti – Cytokeratin 17

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: V21-R

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cytokeratin 17. Antibody recognizes the epitope between Glu414 - Thr431.

Cellular localization: cytoplasm

Positive control: squamous skin carcinoma tissue

Protein accession number: Q04695

Application: IHC-P, dilution 1:100 - 1:200

Cytokeratin 17 is mostly expressed in complex epithelia. The antibody is used as a specific marker of basal cell differentiation.

DB 101

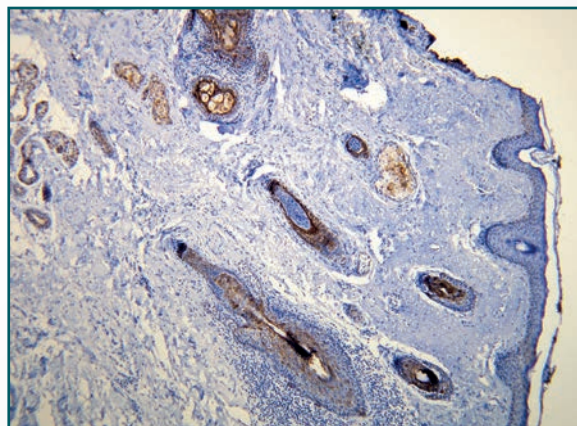
CAT#

CONCENTRATED

DB 101-0.1	(100 µl)
DB 101-0.2	(200 µl)
DB 101-0.5	(500 µl)
DB 101-1	(1 ml)

READY TO USE (RTU)

DB 101-RTU-7	(7 ml)
DB 101-RTU-15	(15 ml)



CK17 expressed in the skin-adnexal epithelial cells. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Cytokeratin 17 (DB 101) monospecific clonal antibody according to related DB Biotech data-sheet.

DB 102

CAT#

CONCENTRATED

DB 102-0.1	(100 µl)
DB 102-0.2	(200 µl)
DB 102-0.5	(500 µl)
DB 102-1	(1 ml)

READY TO USE (RTU)

DB 102-RTU-7	(7 ml)
DB 102-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: R20-H

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cytokeratin 18. Antibody recognizes the epitope between Arg412 - Arg429.

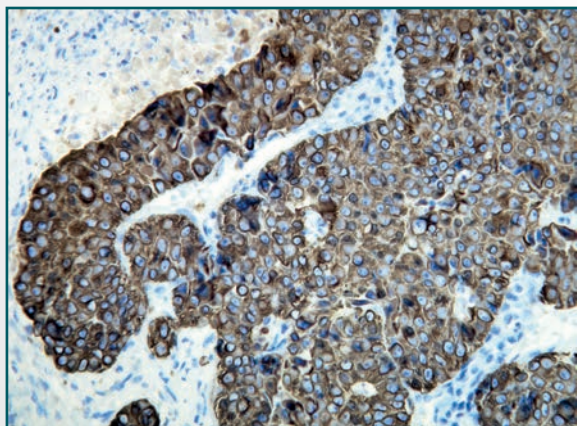
Cellular localization: cytoplasm

Positive control: liver tissue

Protein accession number: P05783

Application: IHC-P, dilution 1:100 - 1:300

Immunohistochemistry of Cytokeratin 18 is used for diagnostics of cancer in glandular epithelia. Discrepancies in expression are detected in several types of carcinomas: colon, respiratory, urogenital, endocrine and exocrine tissues.



CK18 expression in the adenocarcinoma of the human pancreas. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Cytokeratin 18 (DB 102) monospecific clonal antibody according to related DB Biotech data-sheet.

Anti – Cytokeratin 19

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: E16-L

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cytokeratin 19. Antibody recognizes the epitope between Gly386 - Val399.

Cellular localization: cytoplasm

Positive control: liver tissue, colon adenocarcinoma tissue

Protein accession number: P08727

Application: IHC-P, dilution 1:100 - 1:200

DB 103

CAT#

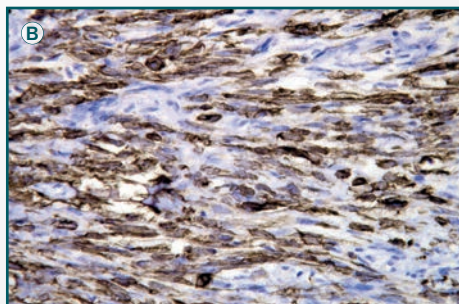
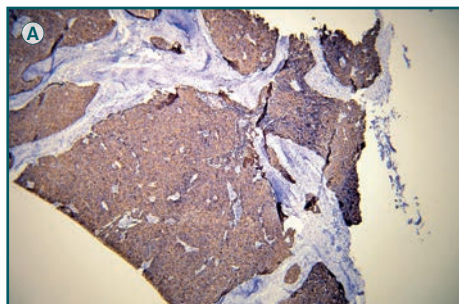
CONCENTRATED

DB 103-0.1	(100 µl)
DB 103-0.2	(200 µl)
DB 103-0.5	(500 µl)
DB 103-1	(1 ml)

READY TO USE (RTU)

DB 103-RTU-7	(7 ml)
DB 103-RTU-15	(15 ml)

Cytokeratin 19 expression is associated with a wide variety of epithelium and epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver and breast.



Epithelial thymoma cells positive for CK19 (A) and monophasic spindle cell synovial sarcoma expressing CK19 (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Cytokeratin 19 (DB 103) monospecific clonal antibody according to related DB Biotech datasheet.

DB 119

CAT#

CONCENTRATED

DB 119-0.1	(100 µl)
DB 119-0.2	(200 µl)
DB 119-0.5	(500 µl)
DB 119-1	(1 ml)

READY TO USE (RTU)

DB 119-RTU-7	(7 ml)
DB 119-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: E19-I

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Cytokeratin 20. Antibody recognizes the epitope between Val408 - Ile424.

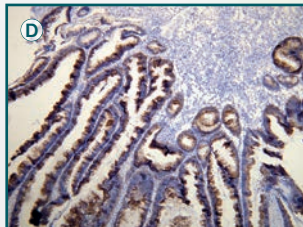
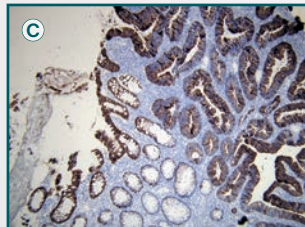
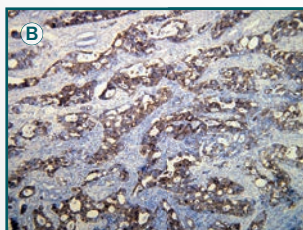
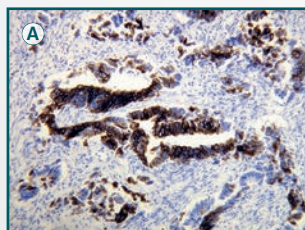
Cellular localization: cytoplasm

Positive control: colon adenocarcinoma tissue, Merkel cell carcinoma

Protein accession number: P35900

Application: IHC-P, dilution 1:100 - 1:200

CK20 is a low molecular weight acidic cytoke-
ratin which expression is tightly connected to gastric and intestinal epi-
thelium, urothelium and Merkel cells of the skin. It is commonly
found in colorectal cancer, Merkel cell tumors and transitional
cell carcinomas.



Colorectal adenocarcinoma with dif-
fuse strong expression of CK20
(A and B) and colorectal adenocar-
cinoma and normal epithelium of the
large intestine mucosa with expres-
sion of CK20 (C). Adenoma of the
large intestine with expression of
CK20 (D). All, formalin fixed, paraffin
embedded human tissues (4 µm
sections) stained with anti - Cytok-
eratin 20 (DB 119) monospecific clo-
nal antibody according to related
DB Biotech datasheet.

Anti – Desmin

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: E18-V

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal sequence of human Desmin. Antibody recognizes the epitope between Thr453 - Val469.

Cellular localization: cytoplasm

Positive control: smooth and skeletal muscle, leiomyoma tissue

Protein accession number: P17661

Application: IHC-P, dilution 1:100 - 1:200

Desmin is the intermediate filament protein found in muscle cells. It is a useful protein marker for identification of leiomyomas and leiomyosarcomas.

DB 148

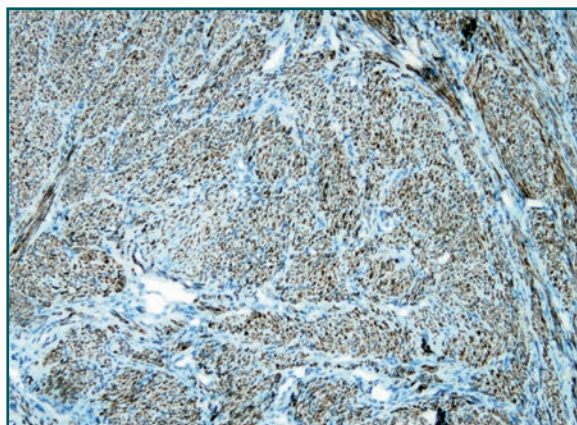
CAT#

CONCENTRATED

DB 148-0.1	(100 µl)
DB 148-0.2	(200 µl)
DB 148-0.5	(500 µl)
DB 148-1	(1 ml)

READY TO USE (RTU)

DB 148-RTU-7	(7 ml)
DB 148-RTU-15	(15 ml)



Desmin expression detected in the uterine leiomyoma tissue with DB 148 monospecific antibody. Formalin fixed, paraffin embedded human tissue (4 µm section) stained according to related DB Biotech datasheet.

DB 060

CAT#

CONCENTRATED

DB 060-0.1	(100 µl)
DB 060-0.2	(200 µl)
DB 060-0.5	(500 µl)
DB 060-1	(1 ml)

READY TO USE (RTU)

DB 060-RTU-7	(7 ml)
DB 060-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: D24-G

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the internal region of Epstein-Barr virus (EBV), Latent Membrane Protein-1 (LMP-1). Antibody recognizes the epitope between Asp293 - Asp312.

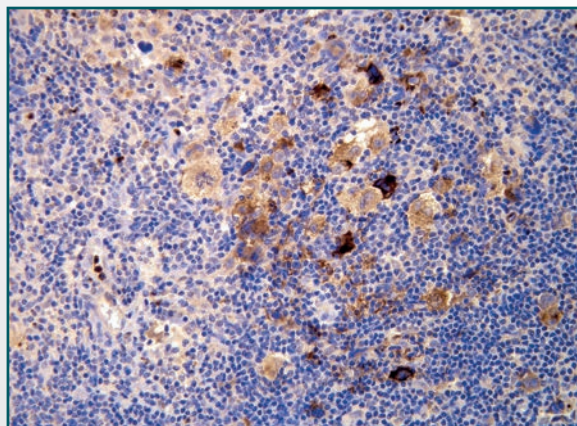
Cellular localization: nucleus

Positive control: lymph node Hodgkin's lymphoma tissue

Protein accession number: P03230

Application: IHC-P, dilution 1:100 - 1:200

Expression of EBV - LMP-1 protein induces changes associated with EBV infections and activation of primary B cells. LMP-1 belongs to the oncoproteins of the EBV latent gene product, expressed in the majority of the EBV-related human cancers and infectious mononucleosis.



HRS cells of the classical Hodgkin Lymphoma showing cytoplasmic expression of the EBV LMP-1 protein. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - EBV LMP-1 (DB 060) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - EBV/LMP-1

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: S20-D

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal region of Epstein-Barr virus (EBV), Latent Membrane Protein-1 (LMP-1). Antibody recognizes the epitope between Ser369 - Tyr384.

Cellular localization: nucleus

Positive control: lymph node Hodgkin's lymphoma tissue

Protein accession number: P03230

Application: IHC-P, dilution 1:100 - 1:200

Expression of EBV - LMP-1 protein induces changes associated with EBV infections and activation of primary B cells. LMP-1 belongs to the oncoproteins of the EBV latent gene product, expressed in the majority of the EBV-related human cancers and infectious mononucleosis.

DB 061

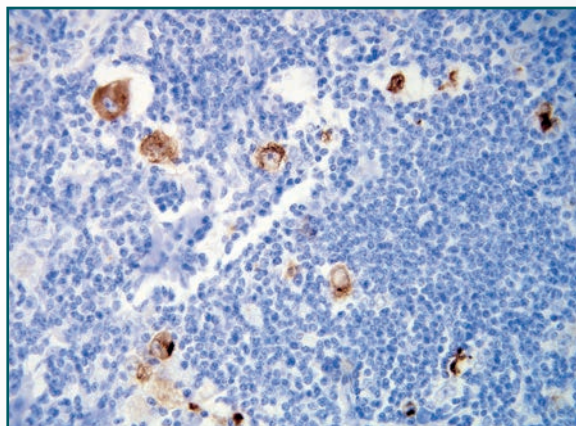
CAT#

CONCENTRATED

DB 061-0.1	(100 µl)
DB 061-0.2	(200 µl)
DB 061-0.5	(500 µl)
DB 061-1	(1 ml)

READY TO USE (RTU)

DB 061-RTU-7	(7 ml)
DB 061-RTU-15	(15 ml)



HRS cells of the classical Hodgkin Lymphoma showing cytoplasmic expression of the EBV LMP-1 protein. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - EBV LMP-1 (DB 061) monospecific clonal antibody according to related DB Biotech datasheet.

DB 092

PRODUCT INFORMATION

CAT#

CONCENTRATED

DB 092-0.1	(100 µl)
DB 092-0.2	(200 µl)
DB 092-0.5	(500 µl)
DB 092-1	(1 ml)

READY TO USE (RTU)

DB 092-RTU-7	(7 ml)
DB 092-RTU-15	(15 ml)

Clone: A20-E

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human epidermal growth factor receptor (EGFR). Antibody recognizes the epitope between Ser1120 - Asn1135.

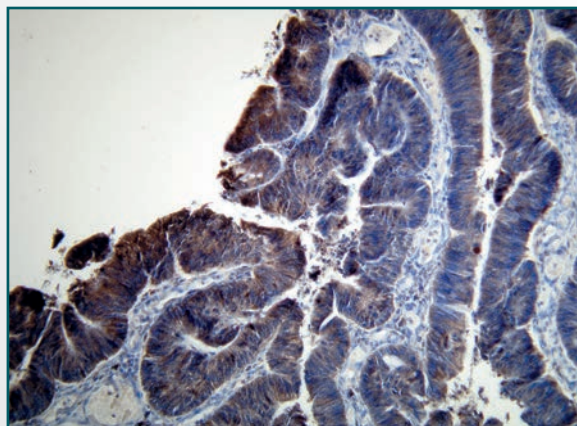
Cellular localization: membrane, secreted

Positive control: squamous cell skin carcinoma

Protein accession number: P00533

Application: IHC-P, dilution 1:100 - 1:200

Epidermal Growth Factor Receptor (EGFR) is the prototype member of the type 1 receptor tyrosine kinases. EGFR overexpression in tumors indicates poor prognosis and is observed in tumors of the head and neck, brain, bladder, stomach, breast, lung, endometrium, cervix, vulva, ovary, esophagus, colon and in squamous cell carcinoma.



Membranous and cytoplasmic EGFR expression in the colorectal adenocarcinoma. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - EGFR (DB 092) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - EMA (CD227, Mucin-1)

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: G22-L

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Mucin-1. Antibody recognizes the epitope between Gly1235 - Ala1253.

Cellular localization: cytoplasm, membrane, secreted

Positive control: breast carcinoma tissue

Protein accession number: P15941

Application: IHC-P, dilution 1:100 - 1:200

Anti-EMA antibody is a useful marker for staining several types of carcinomas. It stains normal and neoplastic cells from various tissues, including mammary epithelium, sweat glands and squamous epithelium. Hepatocellular carcinoma, adrenal carcinoma and embryonal carcinomas are consistently EMA negative, so keratin positivity with negative EMA favors one of these tumors. EMA is frequently positive in meningiomas, breast, ovary, lung and prostate tumors.

DB 048

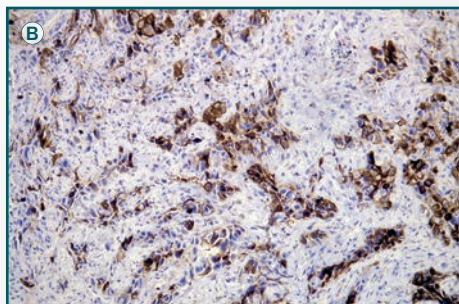
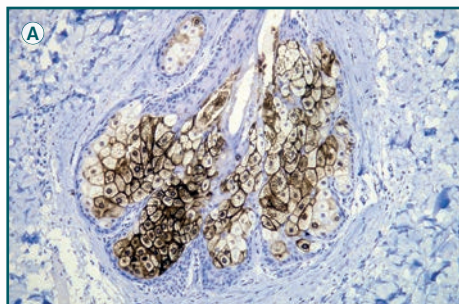
CAT#

CONCENTRATED

DB 048-0.1	(100 µl)
DB 048-0.2	(200 µl)
DB 048-0.5	(500 µl)
DB 048-1	(1 ml)

READY TO USE (RTU)

DB 048-RTU-7	(7 ml)
DB 048-RTU-15	(15 ml)



Epithelial membrane antigen expression in sebaceous glands of the skin (A), and in pulmonary adenocarcinoma (B), stained with anti-CD227 (DB 048) monospecific antibody. Formalin fixed, paraffin embedded human tissues (4 µm sections) stained according to related DB Biotech datasheet.

DB 053

CAT#

CONCENTRATED

DB 053-0.1	(100 µl)
DB 053-0.2	(200 µl)
DB 053-0.5	(500 µl)
DB 053-1	(1 ml)

READY TO USE (RTU)

DB 053-RTU-7	(7 ml)
DB 053-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: S21-V

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human estrogen receptor alpha. Antibody recognizes the epitope between Gln580 - Thr594.

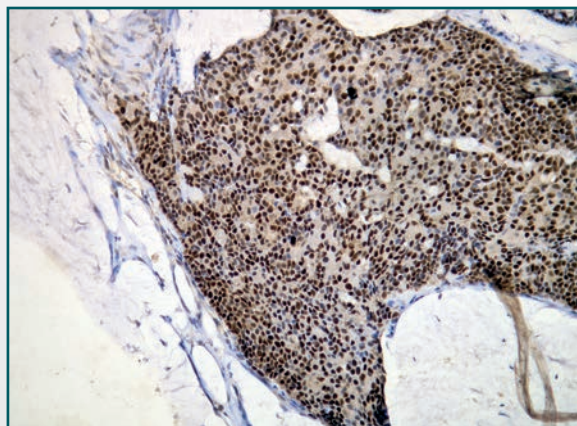
Cellular localization: nuclear membrane, cytoplasm

Positive control: human breast tumor tissue

Protein accession number: P03372

Application: IHC-P, dilution 1:100 - 1:200

Estrogen Receptor- α antibody stains nuclei of breast epithelial cells and some carcinomas, as well as endometrial epithelia and myometrium. By binding to the DNA, estrogen receptor- α regulates positively or negatively the gene expression. ER plays an important role in regulation of mammary gland growth and differentiation. Its overexpression can be found in more than 70% of breast cancer.



Diffuse and strong estrogen receptor expression in mucinous breast carcinoma, stained with anti-ER (DB 053) monoclonal antibody. Formalin fixed, paraffin embedded human tissue (4 µm section) stained according to related DB Biotech datasheet.

Anti – Human IgG

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: E20-V

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from internal domain of human IgG-1 chain C region. Antibody recognizes the epitope between Val167 - Val185.

Cellular localization: secreted

Positive control: human tonsil tissue

Protein accession number: P01857, P01859, P01860, P01861

Application: IHC-P, dilution 1:100 - 1:300

DB 173

CAT#

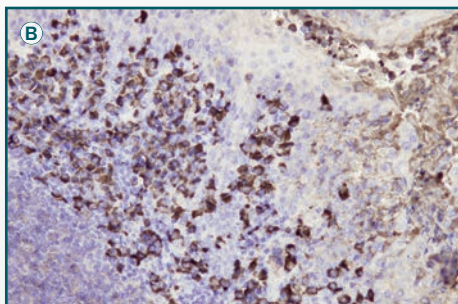
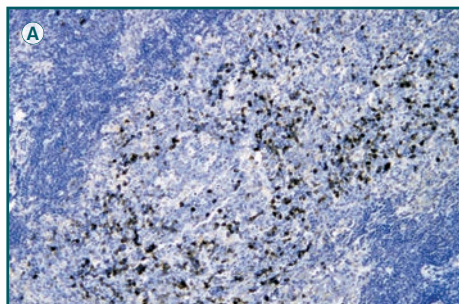
CONCENTRATED

DB 173-0.1	(100 µl)
DB 173-0.2	(200 µl)
DB 173-0.5	(500 µl)
DB 173-1	(1 ml)

READY TO USE (RTU)

DB 173-RTU-7	(7 ml)
DB 173-RTU-15	(15 ml)

IgG is a monomeric immunoglobulin with two antigen binding sites. IgG represents over 70% of human serum immunoglobulins. It binds to many pathogens and protects the body via activation of the complement. This antibody recognizes IgG1 and IgG2 subclasses of human IgG.



IgG positive plasma cells in the case of IgG4-related chronic sclerosing sialoadenitis (A) and IgG expression in plasma cells in tonsillar tissue (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti-human IgG, DB 173 antibody according to related DB Biotech datasheet.

DB 174

CAT#

CONCENTRATED

DB 174-0.1	(100 µl)
DB 174-0.2	(200 µl)
DB 174-0.5	(500 µl)
DB 174-1	(1 ml)

READY TO USE (RTU)

DB 174-RTU-7	(7 ml)
DB 174-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: I17-T

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the domain close to the C-terminus of human IgG-1 chain C region. Antibody recognizes the epitope between Ala261 - Lys275.

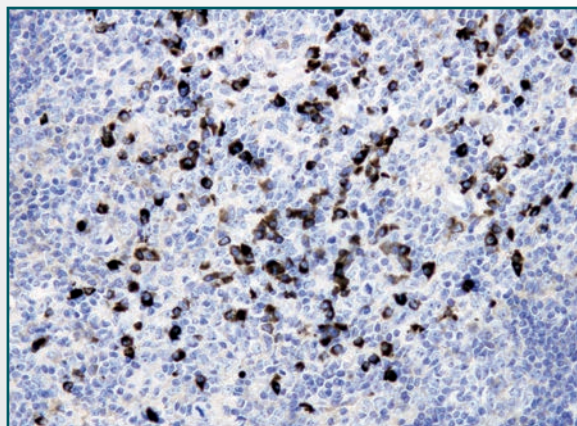
Cellular localization: secreted

Positive control: human tonsil tissue

Protein accession number: P01857, P01859, P01860, P01861

Application: IHC-P, dilution 1:100 - 1:300

IgG is a monomeric immunoglobulin with two antigen binding sites. IgG represents over 70% of human serum immunoglobulins. It binds to many pathogens and protects the body via activation of the complement. This antibody recognizes IgG1 and IgG2 subclasses of human IgG.



IgG positive plasma cells in the case of IgG4-related chronic sclerosing sialoadenitis, detected with anti-IgG antibody (DB 174). Formalin fixed, paraffin embedded human tissue (4 µm section) stained according to related DB Biotech datasheet.

Anti - Human Kappa Light Chain

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: A21-Y

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human Kappa Light Chain IgG. Antibody recognizes the epitope between Gln47 - Ser63.

Cellular localization: cytoplasm, secreted

Positive control: human tonsil tissue

Protein accession number: P01834

Application: IHC-P, dilution 1:100 - 1:500

Related antibody detects human IgG Kappa Light Chain, cytoplasmic and/or secreted. The Kappa Light Chain clonal antibody is used for direct diagnosis of leukemias, non - Hodgkin's lymphomas and plasmacytomas. Several new diagnostic methods are being applied for detection of Kappa Light Chains in serum and urine.

DB 037

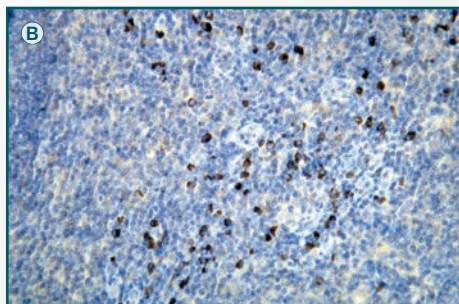
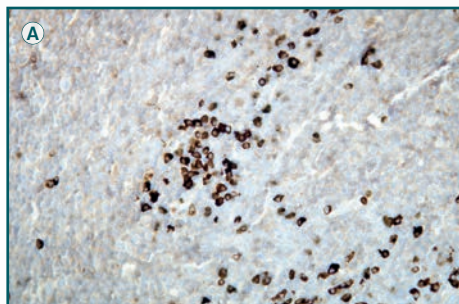
CAT#

CONCENTRATED

DB 037-0.1	(100 µl)
DB 037-0.2	(200 µl)
DB 037-0.5	(500 µl)
DB 037-1	(1 ml)

READY TO USE (RTU)

DB 037-RTU-7	(7 ml)
DB 037-RTU-15	(15 ml)



Expression of the Kappa Light Chain immunoglobulin in the plasma cells of the palatine tonsil (A and B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Human Kappa Light Chain (DB 037) monospecific clonal antibody according to related DB Biotech datasheet.

DB 038

CAT#

CONCENTRATED

DB 038-0.1	(100 µl)
DB 038-0.2	(200 µl)
DB 038-0.5	(500 µl)
DB 038-1	(1 ml)

READY TO USE (RTU)

DB 038-RTU-7	(7 ml)
DB 038-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: H16-E

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Kappa Light Chain IgG. Antibody recognizes the epitope between Gly92 - Gly104.

Cellular localization: cytoplasm, secreted

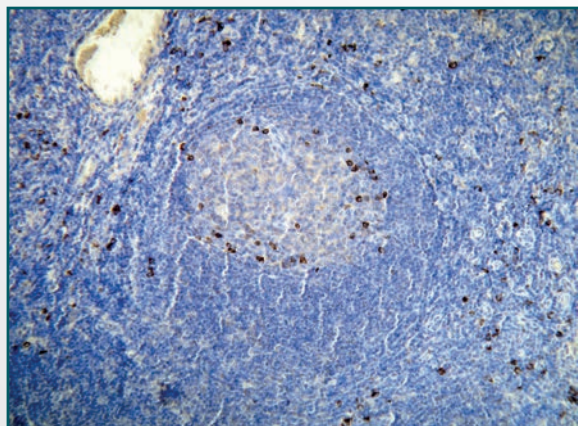
Positive control: human tonsil tissue

Protein accession number: P01834

Application: IHC-P, dilution 1:100 - 1:500

PUBLICATIONS: Y. Hoshii et al (2012) Med Mol Morphol 45, 124-8

Related antibody detects human IgG Kappa Light Chain, cytoplasmic and/or secreted. The Kappa Light Chain clonal antibody is used for direct diagnosis of leukemias, non - Hodgkin's lymphomas and plasmocytomas. Several new diagnostic methods are being applied for detection of Kappa Light Chains in serum and urine.



Expression of the Kappa Light Chain immunoglobulin in the plasma cells of the palatine tonsil. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Human Kappa Light Chain (DB 038) monospecific clonal antibody according to related DB Biotech datasheet.

Anti - Human Lambda Light Chain

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: K22-Y

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of Human Lambda Light Chain IgG. Antibody recognizes the epitope between Ala50 - Ser68.

Cellular localization: cytoplasm

Positive control: human tonsil tissue

Protein accession number: P01842

Application: IHC-P, dilution 1:100 - 1:500

DB 039

CAT#

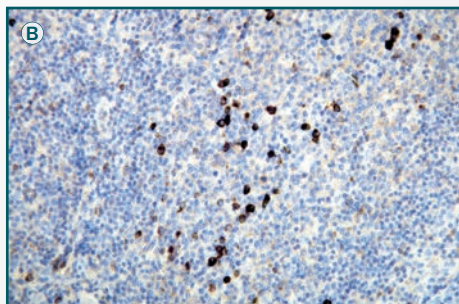
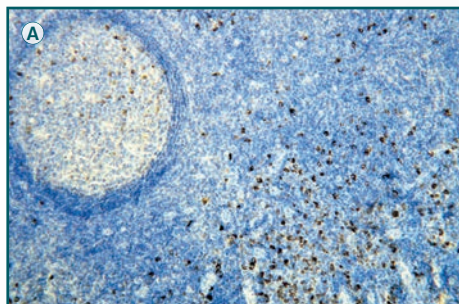
CONCENTRATED

DB 039-0.1	(100 µl)
DB 039-0.2	(200 µl)
DB 039-0.5	(500 µl)
DB 039-1	(1 ml)

READY TO USE (RTU)

DB 039-RTU-7	(7 ml)
DB 039-RTU-15	(15 ml)

Antibody targeting the Lambda Light Chains of human IgG in IHC-P application, mostly used in diagnostics of B-cell related malignancies, where the levels of this protein are highly elevated. The antibody works perfectly in bone marrow tissue.



Expression of the Lambda Light Chain immunoglobulin in the plasma cells of the palatine tonsil (A and B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Human Lambda Light Chain (DB 039) monospecific clonal antibody according to related DB Biotech datasheet.

DB 003

CAT#

CONCENTRATED

DB 003-IHC-0.1	(100 µl)
DB 003-IHC-0.2	(200 µl)
DB 003-IHC-0.5	(500 µl)
DB 003-IHC-1	(1 ml)

READY TO USE (RTU)

DB 003-IHC-RTU-7	(7 ml)
DB 003-IHC-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: K13-A

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from human iNOS sequence. Antibody recognizes the epitope between Ser1118 - Gly1129.

Cellular localization: cytoplasm, membrane

Positive control: liver, lung tissue

Protein accession number: P35228

Application: IHC-P, dilution 1:100 - 1:200

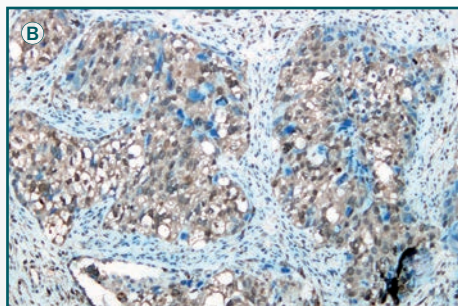
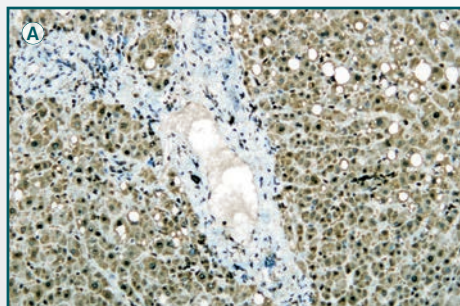
PUBLICATIONS:

Q.Y. Lean et al (2015) PLoS One 10

J.Y. Oh et al (2013) Invest Ophthalmol Vis Sci 54, 7779-84

S. Granados-Principal et al (2015) Breast Cancer Res, 17:25

iNOS Antibody detects endogenous levels of total iNOS protein.



Liver tissue (A) and lung adenocarcinoma tissue (B) stained with anti-iNOS (DB 003-IHC) antibody shows strong positive immunostaining of hepatocytes and lung cancer cells. Formalin fixed, paraffin embedded human tissues (4 µm sections) stained according to related DB Biotech datasheet.

Anti - Ki-67

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: C16-I

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human Ki-67. Antibody recognizes the epitope between Lys3243 - Asp3255.

Cellular localization: nucleus

Positive control: tonsil

Protein accession number: P46013

Application: IHC-P, dilution 1:100 - 1:200

DB 070

CAT#

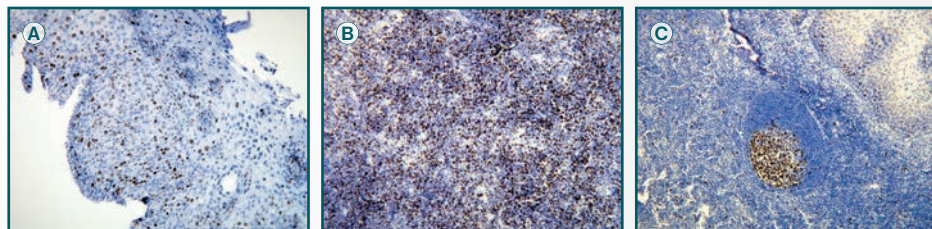
CONCENTRATED

DB 070-0.1	(100 µl)
DB 070-0.2	(200 µl)
DB 070-0.5	(500 µl)
DB 070-1	(1 ml)

READY TO USE (RTU)

DB 070-RTU-7	(7 ml)
DB 070-RTU-15	(15 ml)

Over-expression of Ki-67 is strictly associated with cell proliferation. Positivity of cell nuclei mostly correlates with the clinical course of different malignancies.



High Grade SIL (squamous intraepithelial lesion) of the uterine cervix showing full-thickness Ki-67 immunopositivity in the dysplastic epithelium (A), B-cell lymphoma showing high proliferating index visualized by the Ki-67 immunohistochemistry (B) and proliferating germinal centre cells of the lymphoid follicle visualized by the Ki-67 immunohistochemistry (C). All, formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Ki-67 (DB 070) monospecific clonal antibody according to related DB Biotech datasheet.

DB 111

CAT#

CONCENTRATED

DB 111-0.1	(100 µl)
DB 111-0.2	(200 µl)
DB 111-0.5	(500 µl)
DB 111-1	(1 ml)

READY TO USE (RTU)

DB 111-RTU-7	(7 ml)
DB 111-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: E18-E

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from internal region of human Ki-67. Antibody recognizes the epitope between Asp1101 - Glu1116.

Cellular localization: nucleus

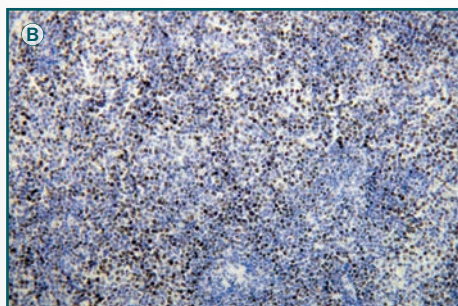
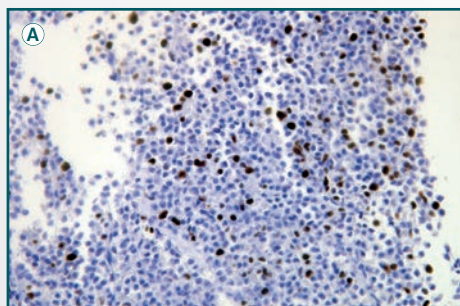
Positive control: tonsil tissue

Protein accession number: P46013

Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS: Z. Xiang et al (2014) Cancer Cell 26, 565-76

Over-expression of Ki-67 is strictly associated with cell proliferation. Positivity of cell nuclei mostly correlates with the clinical course of different malignancies.



Proliferating cells of the plasma cell myeloma in the bone marrow biopsy (A) and B-cell lymphoma showing high proliferating index (B) visualised by the Ki-67 immunohistochemistry. Both, formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Ki-67 (DB 111) monospecific clonal antibody according to related DB Bio-tech datasheet.

Anti – Melan A

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: A19-P

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Melan A. Antibody recognizes the epitope between Glu105 - Pro115.

Cellular localization: membrane, secreted

Positive control: human melanoma tissue

Protein accession number: Q16655

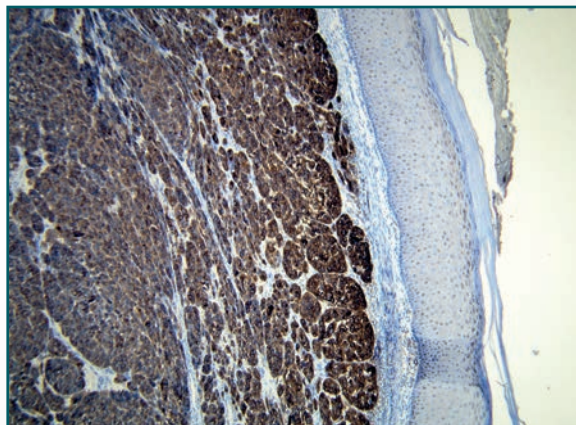
Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS:

H. Locher et al (2013) Differentiation 85, 173-81

H. Locher et al (2015) Dev Neurobiol 75, 1219-40

Melan A is a specific marker of melanocytes. Immunohistochemistry is applied in melanocytic differentiation studies related to melanocytic tumors.



Diffuse Melan A positivity in the cutaneous malignant melanoma. Formalin fixed, paraffin embedded human tissue (4 μ m section) stained with anti - Melan A (DB 050) monospecific clonal antibody according to related DB Biotech datasheet.

DB 050

CAT#

CONCENTRATED

DB 050-0.1	(100 μ l)
DB 050-0.2	(200 μ l)
DB 050-0.5	(500 μ l)
DB 050-1	(1 ml)

READY TO USE (RTU)

DB 050-RTU-7	(7 ml)
DB 050-RTU-15	(15 ml)

DB 049

CAT#

CONCENTRATED

DB 049-0.1	(100 µl)
DB 049-0.2	(200 µl)
DB 049-0.5	(500 µl)
DB 049-1	(1 ml)

READY TO USE (RTU)

DB 049-RTU-7	(7 ml)
DB 049-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: P14-V

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Melanosome/gp100. Antibody recognizes the epitope between Ile649 - Val661.

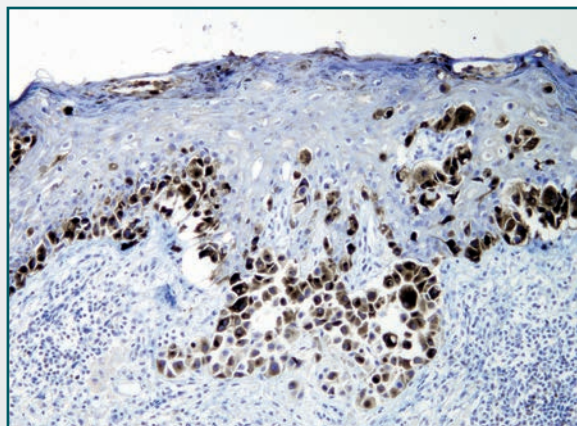
Cellular localization: membrane, secreted

Positive control: human melanoma tissue

Protein accession number: P40967

Application: IHC-P, dilution 1:100 - 1:200

Anti-Melanosome antibody stains fetal and neonatal melanocytes, junctional nevus and blue nevus cells, and malignant melanocytes. This melanocyte-associated antigen is a type I integral membrane protein associated with melanosomal matrix formation in melanosomes.



Diffuse anti Melanosome antibody positivity in the cutaneous malignant melanoma. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - Melanosome (DB 049) monospecific clonal antibody according to related DB Biotech data-sheet.

Anti – MSH2

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: N29-D

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the domain close to the N-terminal of human MSH2. Antibody recognizes the epitope between Ala107 - Ser129.

Cellular localization: nucleus

Positive control: human colorectal adenocarcinoma

Protein accession number: P43246

Application: IHC-P, dilution 1:100 - 1:300

DB 115

CAT#

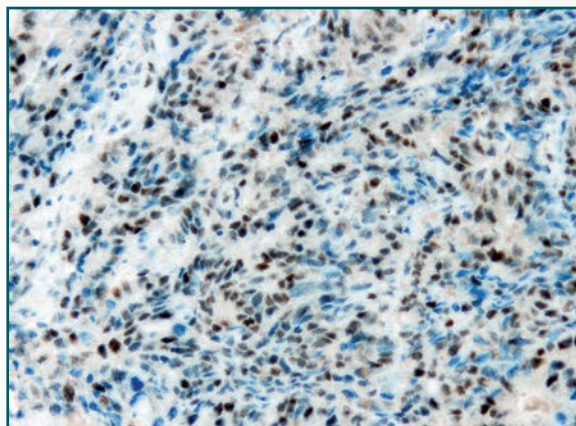
CONCENTRATED

DB 115-0.1	(100 µl)
DB 115-0.2	(200 µl)
DB 115-0.5	(500 µl)
DB 115-1	(1 ml)

READY TO USE (RTU)

DB 115-RTU-7	(7 ml)
DB 115-RTU-15	(15 ml)

MSH2 plays an important role in post-replicative DNA repair. Expression of MSH2 is reduced in hereditary colorectal cancer. Its immunohistochemical analysis is applied in a routine detection of MSI-H colorectal adenocarcinomas.



Retained MSH2 expression in the colorectal adenocarcinoma. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with DB 115, anti-human MSH2 monospecific antibody according to related DB Biotech datasheet.

DB 152

CAT#

CONCENTRATED

DB 152-0.1	(100 µl)
DB 152-0.2	(200 µl)
DB 152-0.5	(500 µl)
DB 152-1	(1 ml)

READY TO USE (RTU)

DB 152-RTU-7	(7 ml)
DB 152-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: R19-D

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human p16.

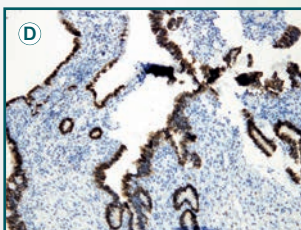
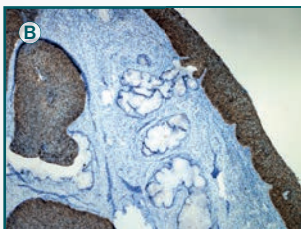
Cellular localization: cytoplasm, nucleus

Positive control: cervical carcinoma tissue

Protein accession number: P42771

Application: IHC-P, dilution 1:100

p16/INK4A/CDKN2A, cyclin-dependent kinase inhibitor 2A, is a tumor suppressor protein playing an important role in regulation of cell cycle. Frequent mutations of p16 increase the risk of developing a variety of cancers, underlying its role in carcinogenesis. Overexpression of p16 is detected mostly in cervical cancer (squamous and glandular epithelial dysplasia), melanomas, head and neck squamous cell carcinomas.



Cervical lymph node metastasis of oropharyngeal HPV-associated squamous cell carcinoma (A), high grade squamous intraepithelial lesion of the uterine cervix (in contrast with normal endocervical glands) (B), high grade squamous intraepithelial lesion of the uterine cervix (in contrast with non-dysplastic metaplastic squamous epithelium) (C), adenocarcinoma in situ of the uterine cervix (D), stained with anti-p16 (DB 152) monospecific clonal antibody. All show strong and specific positive immunostaining of dysplastic and neoplastic epithelium, with no reactivity in normal epithelial and stromal structures. Formalin fixed, paraffin embedded human tissues (4 µm sections) stained according to related DB Biotech datasheet.

Anti - p53

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: M26-A

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human p53. Antibody recognizes the epitope between Ser46 - Pro67.

Cellular localization: nucleus

Positive control: renal cell carcinoma tissue, colon carcinoma tissue

Protein accession number: P04637

Application: IHC-P, dilution 1:100 - 1:500

p53 (tumor suppressor protein) is general marker of cell proliferation. Its enhanced expression is in most cases related to cancer (e.g. can be used as a valuable prognostic marker of conventional renal cell carcinoma). This clone is specially produced for IHC-P applications.

DB 026

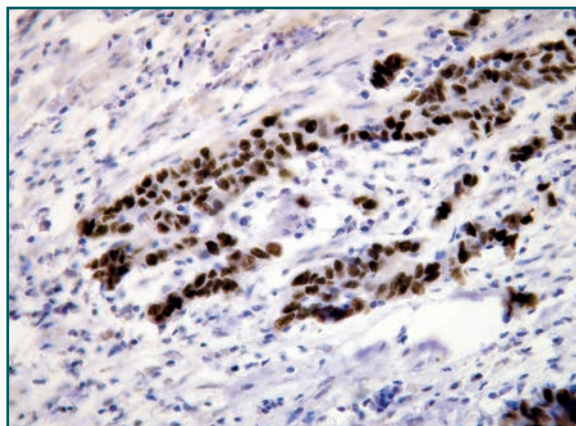
CAT#

CONCENTRATED

DB 026-0.1	(100 µl)
DB 026-0.2	(200 µl)
DB 026-0.5	(500 µl)
DB 026-1	(1 ml)

READY TO USE (RTU)

DB 026-RTU-7	(7 ml)
DB 026-RTU-15	(15 ml)



Ovarian high grade serous carcinoma with diffuse strong nuclear p53 expression. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - p53 (DB 026) monospecific clonal antibody according to related DB Biotech datasheet.

DB 203

CAT#

CONCENTRATED

DB 203-0.1	(100 µl)
DB 203-0.2	(200 µl)
DB 203-0.5	(500 µl)
DB 203-1	(1 ml)

READY TO USE (RTU)

DB 203-RTU-7	(7 ml)
DB 203-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: E17-L

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal region of human p60 sequence. Antibody recognizes the epitope between Ile527 - Leu542.

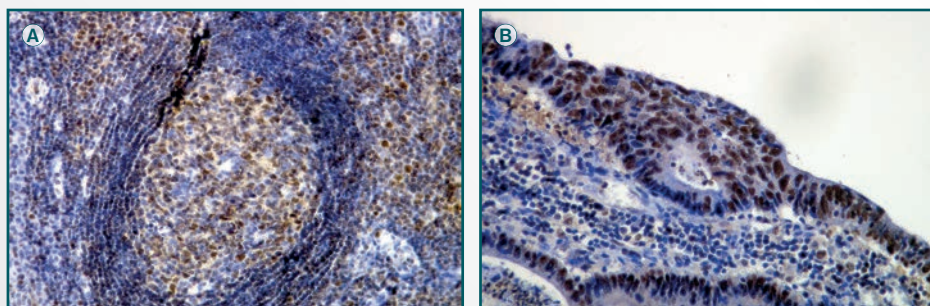
Cellular localization: nucleus, cytoplasm

Positive control: colorectal adenocarcinoma tissue

Protein accession number: Q13112

Application: IHC-P, dilution 1:100 - 1:200

p60 (chromatin assembly factor 1, CAF-1) is the 60 kDa subunit of CAF-1 trimeric factor, which is required for the proper nucleosome assembly and proliferating cell viability. In cancer, CAF-1 is considered to be a proliferation marker of a variety of tumors.



Nuclear expression of p60 protein in lymphocytes of the germinal centre of the lymph node (A) and colorectal adenocarcinoma (B), detected with anti-p60 monospecific clonal antibody (DB 203). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained according to related DB Biotech datasheet.

Anti - p63

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: I27-I

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the internal sequence of human p63. Antibody recognizes the epitope between Arg360 - His383.

Cellular localization: nucleus

Positive control: tonsil tissue

Protein accession number: Q9H3D4

Application: IHC-P, dilution 1:100 - 1:200

p63/TP63 is a member of the p53 family of transcription factors expressed in the cell nuclei of a variety of tissues – heart, kidney, placenta, prostate, testis, tonsil, thymus and skeletal muscle. In cancer, p63 is expressed predominantly in basal cell and squamous cell carcinomas.

DB 134

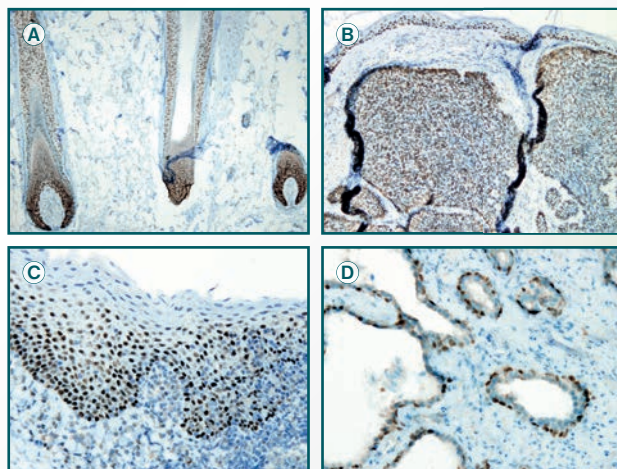
CAT#

CONCENTRATED

DB 134-0.1	(100 µl)
DB 134-0.2	(200 µl)
DB 134-0.5	(500 µl)
DB 134-1	(1 ml)

READY TO USE (RTU)

DB 134-RTU-7	(7 ml)
DB 134-RTU-15	(15 ml)



Nuclear expression of p63 visualized with DB 134, anti-p63 antibody, clone I27-I, in: normal hair follicles (A), basal cell carcinoma of the skin (B) squamous epithelium of the tonsil (C) and basal cells of the prostatic glands (D). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - p63 (DB 134) monospecific clonal antibody according to related DB Biotech datasheet.

DB 229

PRODUCT INFORMATION

CAT#

CONCENTRATED

DB 229-0.1	(100 µl)
DB 229-0.2	(200 µl)
DB 229-0.5	(500 µl)
DB 229-1	(1 ml)

READY TO USE (RTU)

DB 229-RTU-7	(7 ml)
DB 229-RTU-15	(15 ml)

Clone: V22-E

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the internal sequence of human p63. Antibody recognizes the epitope between Tyr231 - Arg251.

Cellular localization: nucleus

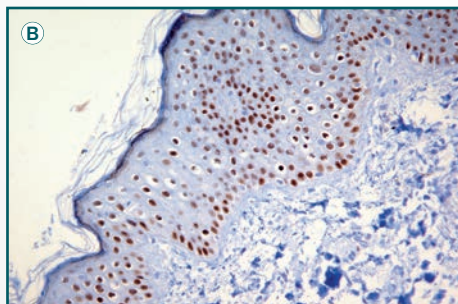
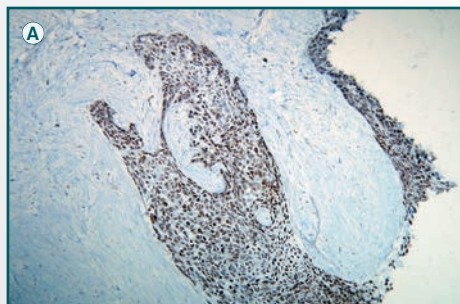
Positive control: tonsil tissue

Protein accession number: Q9H3D4

Application: IHC-P, dilution 1:100 - 1:200

p63/TP63 is a member of the p53 family of transcription factors expressed in the cell nuclei of a variety of tissues – heart, kidney, placenta, prostate, testis, tonsil, thymus and skeletal muscle.

In cancer, p63 is expressed predominantly in basal cell and squamous cell carcinomas.



Nuclear expression of p63 visualized with DB 229, anti-p63 antibody, clone V22-E, in: basal cell carcinoma of the skin (A), keratinocytes of normal skin (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained according to related DB Biotech datasheet.

Anti – P504S (AMACR)

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: Q17-L

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal region of human P504S. Antibody recognizes the epitope between Leu367 - Ser381.

Cellular localization: cytoplasm

Positive control: papillary renal cell carcinoma tissue

Protein accession number: Q9UHK6

Application: IHC-P, dilution 1:100 - 1:200

DB 208

CAT#

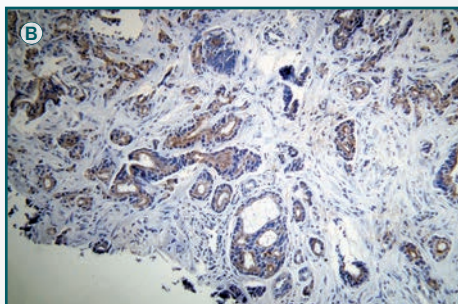
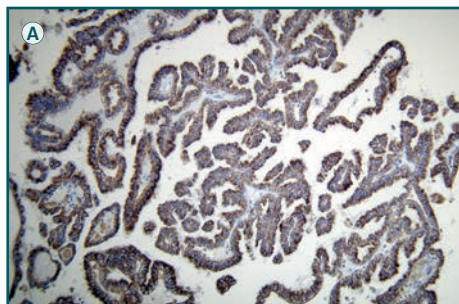
CONCENTRATED

DB 208-0.1	(100 µl)
DB 208-0.2	(200 µl)
DB 208-0.5	(500 µl)
DB 208-1	(1 ml)

READY TO USE (RTU)

DB 208-RTU-7	(7 ml)
DB 208-RTU-15	(15 ml)

P504S (AMACR α -methylacetyl-CoA racemase) is an enzyme belonging to the coenzyme-A transferase family. The protein plays an important role in the metabolism of branched chain fatty acids and bile acids intermediates. P504S is overexpressed in prostate cancer, renal cell carcinomas, and it is associated with the prostate cancer cells-related growth.



Expression of P504S (AMACR) in papillary renal cell carcinoma (A) and prostate adenocarcinoma (B) tissue. Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with DB 208 monospecific antibody according to related DB Biotech datasheet.

DB 047

CAT#

CONCENTRATED

DB 047-0.1	(100 µl)
DB 047-0.2	(200 µl)
DB 047-0.5	(500 µl)
DB 047-1	(1 ml)

READY TO USE (RTU)

DB 047-RTU-7	(7 ml)
DB 047-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: P16-D

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the middle portion of human PLAP sequence. Antibody recognizes the epitope between Glu238 - Leu250.

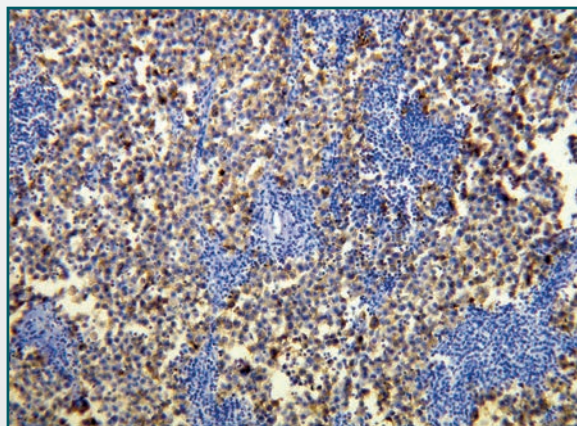
Cellular localization: membrane

Positive control: human testicular tumor tissue

Protein accession number: P05187

Application: IHC-P, dilution 1:100 - 1:200

Placental alkaline phosphatase is physiologically found in normal human placenta and overexpressed in seminoma of testis and ovarian carcinomas. This tissue specific alkaline phosphatase is recognized as an important marker for monitoring the behavior of tumoral cells in human malignancies.



Diffuse cytoplasmic PLAP positivity in the typical seminoma. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti - PLAP (DB 047) monospecific clonal antibody according to related DB Biotech data-sheet.

Anti – PR (Progesterone Receptor)

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: P21-S

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminus of inhibitory domain (IF) of human progesterone receptor. Antibody recognizes the epitope between Arg264 - Ala282.

Cellular localization: nucleus

Positive control: human breast carcinoma tissue

Protein accession number: P06401-1, P06401-2

Application: IHC-P, dilution 1:100 - 1:400

Intracellular steroid receptor of progesterone, which expression alterations are used in breast cancer diagnostics and prediction of related hormonal treatment.

DB 059

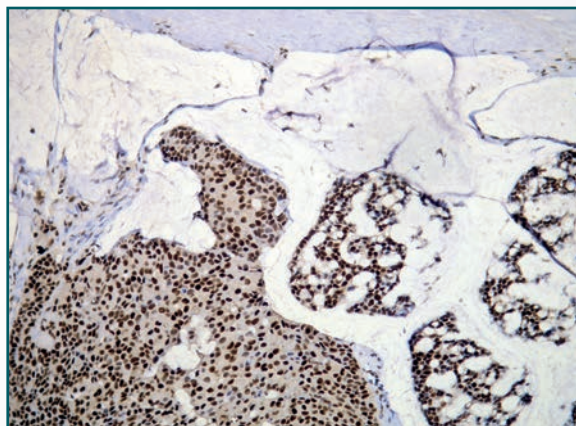
CAT#

CONCENTRATED

DB 059-0.1	(100 µl)
DB 059-0.2	(200 µl)
DB 059-0.5	(500 µl)
DB 059-1	(1 ml)

READY TO USE (RTU)

DB 059-RTU-7	(7 ml)
DB 059-RTU-15	(15 ml)



Diffuse and strong progesterone receptor expression in mucinous breast carcinoma, stained with anti-PR (DB 059) monospecific antibody. Formalin fixed, paraffin embedded human tissue (4 µm section) stained according to related DB Biotech data-sheet.

DB 108

CAT#

CONCENTRATED

DB 108-0.1	(100 µl)
DB 108-0.2	(200 µl)
DB 108-0.5	(500 µl)
DB 108-1	(1 ml)

READY TO USE (RTU)

DB 108-RTU-7	(7 ml)
DB 108-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: X22-C

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal region of human progesterone receptor. Antibody recognizes the epitope between Lys5 - Pro21.

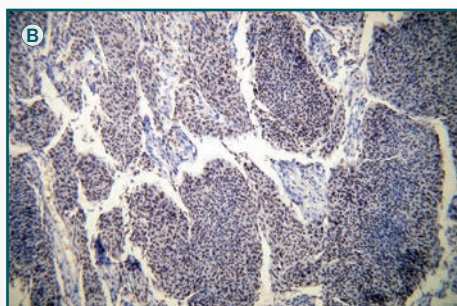
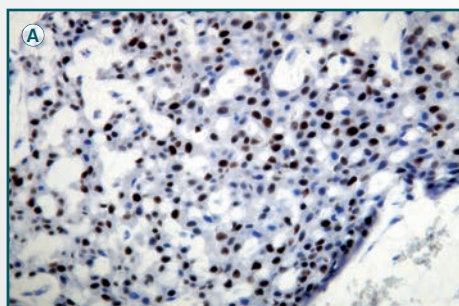
Cellular localization: nucleus

Positive control: breast carcinoma tissue

Protein accession number: P06401

Application: IHC-P, dilution 1:100 - 1:200

Intracellular steroid receptor of progesterone, which expression alterations are used in breast cancer diagnostics and prediction of related hormonal treatment.



Progesterone receptor (PR) expression in the ductal carcinoma of the breast (A) and diffuse nuclear progesterone receptor (PR) expression in meningothelial meningioma (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - PR (DB 108) monospecific clonal antibody according to related DB Biotech datasheet.

Anti – PR (Progesterone Receptor)

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: A21-W

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the region close to the N-terminal region of human progesterone receptor. Antibody recognizes the epitope between Val184 - Ala199.

Cellular localization: nucleus

Positive control: breast carcinoma tissue

Protein accession number: P06401

Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS: K. Kunasegaran et al (2014) PLoS One 9

Intracellular steroid receptor of progesterone, which expression alterations are used in breast cancer diagnostics and prediction of related hormonal treatment.

DB 109

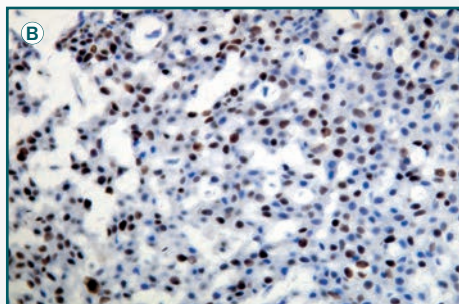
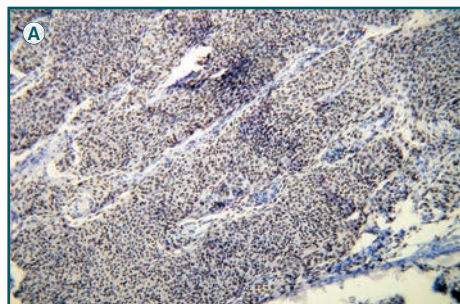
CAT#

CONCENTRATED

DB 109-0.1	(100 µl)
DB 109-0.2	(200 µl)
DB 109-0.5	(500 µl)
DB 109-1	(1 ml)

READY TO USE (RTU)

DB 109-RTU-7	(7 ml)
DB 109-RTU-15	(15 ml)



Diffuse nuclear progesterone receptor (PR) expression in meningothelial meningioma (A) and progesterone receptor (PR) expression in the carcinoma of the breast (B). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - PR (DB 109) according to related DB Biotech datasheet.

DB 055

PRODUCT INFORMATION

CAT#

CONCENTRATED

DB 055-0.1	(100 µl)
DB 055-0.2	(200 µl)
DB 055-0.5	(500 µl)
DB 055-1	(1 ml)

READY TO USE (RTU)

DB 055-RTU-7	(7 ml)
DB 055-RTU-15	(15 ml)

Clone: D28-E

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human S100-A1 protein. Antibody recognizes the epitope between Val55 - Glu74.

Cellular localization: cytoplasm

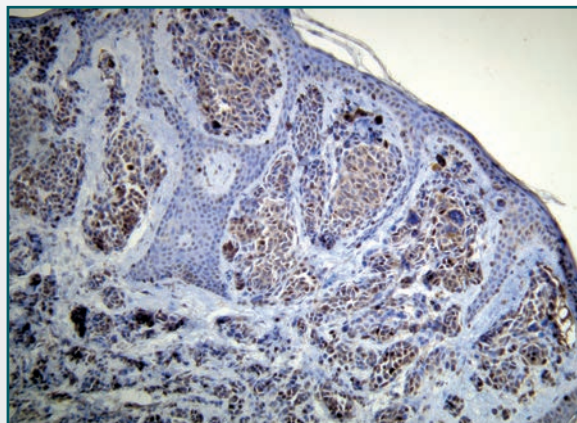
Positive control: human neurofibroma tissue, skin melanoma tissue

Protein accession number: P23297

Application: IHC-P, dilution 1:100 - 1:200

PUBLICATIONS: W. Quinones et al (2013) Ann Diagn Pathol 17, 41-4

S-100 is a low molecular weight protein expressed in glial cells, chondrocytes, macrophages, Langerhans cells, dendritic cells, adipocytes, keratinocytes and breast epithelial cells. S-100 is involved in regulation of protein phosphorylation, calcium homeostasis, cell differentiation, and inflammatory response. In clinical diagnostics, S-100 protein expression is used as a marker of peripheral nerve tumors, astrocytomas, melanomas and clear cell sarcomas.



S-100 protein expression in the cutaneous malignant melanoma. Formalin fixed, paraffin embedded human tissue (4 µm section) stained with anti-S-100 (DB 055) monospecific clonal antibody according to related DB Biotech datasheet.

Anti – Synaptophysin

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR IHC

PRODUCT INFORMATION

Clone: Q21-Q

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Synaptophysin. Antibody recognizes the epitope between Gly293 - Ser310.

Cellular localization: cytoplasm

Positive control: neuroendocrine cells

Protein accession number: P08247

Application: IHC-P, dilution 1:100 - 1:200

DB 156

CAT#

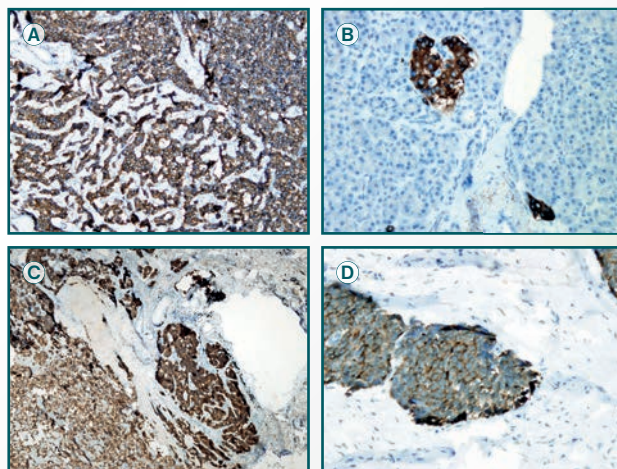
CONCENTRATED

DB 156-0.1	(100 µl)
DB 156-0.2	(200 µl)
DB 156-0.5	(500 µl)
DB 156-1	(1 ml)

READY TO USE (RTU)

DB 156-RTU-7	(7 ml)
DB 156-RTU-15	(15 ml)

Synaptophysin or major synaptic vesicle protein p38, is an integral membrane glycoprotein expressed in presynaptic vesicles of neurons and neuromuscular junctions. Its expression has been reported in wide spectrum of neuroendocrine tumors and neuroendocrine tumors of epithelial type - medullary carcinomas of thyroid gland, parathyroid adenomas, pituitary adenomas, neuroendocrine carcinomas of bronchopulmonary and gastrointestinal tract and neuroendocrine carcinomas of skin.



Cytoplasmic expression of Synaptophysin in: neuroendocrine tumor of the pancreas (NET, grade 1) (A), normal pancreatic islets of Langerhans (B), typical carcinoid of the lung (C) and neuroendocrine tumor of the small intestine (NET, grade 1) (D). Formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - Synaptophysin (DB 156) monospecific clonal antibody according to related DB Biotech datasheet.

DB 089

CAT#

CONCENTRATED

DB 089-0.1	(100 µl)
DB 089-0.2	(200 µl)
DB 089-0.5	(500 µl)
DB 089-1	(1 ml)

READY TO USE (RTU)

DB 089-RTU-7	(7 ml)
DB 089-RTU-15	(15 ml)

PRODUCT INFORMATION

Clone: G21-G

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human TTF-1. Antibody recognizes the epitope between Leu97 - Gly110.

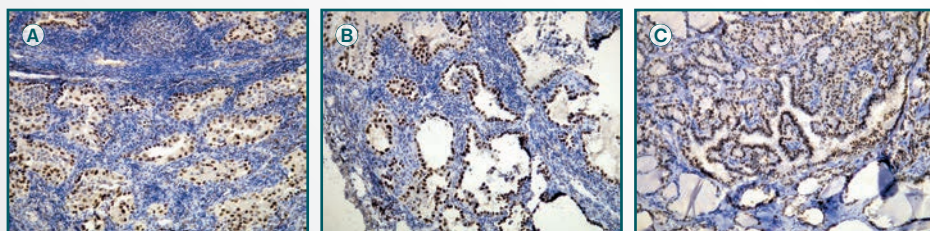
Cellular localization: nucleus

Positive control: lung adenocarcinoma tissue; thyroid gland tissue

Protein accession number: P43699

Application: IHC-P, dilution 1:100 - 1:200

TTF-1 antibody is useful in differentiating the primary adenocarcinoma of the lung from metastatic carcinomas from the breast, mediastinal germ cell tumors and malignant mesothelioma.



Nuclear expression of TTF1 in lung adenocarcinoma (pictures A and B) and thyroid papillary carcinoma (picture C). All, formalin fixed, paraffin embedded human tissues (4 µm sections) stained with anti - TTF1 (DB 089) monospecific antibody according to related DB Biotech datasheet.

Description: DB Biotech's Detection System Rabbit / Mouse Dual – HRP, is a HRP (horseradish peroxidase) labeled micropolymer-based secondary antibody conjugate, designed for applications in immunohistochemistry. This Dual System detects separately rabbit or mouse immunoglobulins, or both bound to an antigen presented in the tissue or cell samples. The resulting background-free immunostaining is represented by a very high sensitivity of antigen detection, even if expressed at low levels.

Catalog No.	Product description	Volume
DB DET KIT - 50	DB Detection KIT - rabbit/mouse dual, HRP/DAB	50 ml
DB DET KIT - 100	DB Detection KIT - rabbit/mouse dual, HRP/DAB	100 ml
DB DET SYS	DB Detection system rabbit/mouse dual - HRP	100 ml
DB D - 125	DB Primary Antibody diluent	125 ml
DB D - 250	DB Primary Antibody diluent	250 ml
DB Reticit - 250	DB Antigen retrieval solution, pH 6, 10xconcentrated	250 ml
DB Reticit - 500	DB Antigen retrieval solution, pH 6, 10xconcentrated	500 ml
DB Retris - 250	DB Antigen retrieval solution, pH 9, 10xconcentrated	250 ml
DB Retris - 500	DB Antigen retrieval solution, pH 9, 10xconcentrated	500 ml

Products available ON SPECIAL REQUEST

NAME	CATALOG NUMBER	CLONE
Anti-CD10	DB 030	E19-P
Anti-CD205	DB 043	S19-P
Anti-CD205	DB 044	R18-D
Anti-Bcl-2	DB 064	P21-A

More Than Antibodies
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DB BIOTECH

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More Than Antibodies
BIOTECH

PRODUCT INFORMATION

CAT# DB 126

DB 126-0.05 (50 µl)
DB 126-0.1 (100 µl)

Clone: C20-A

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal sequence of human Akt1 protein. Antibody recognizes the epitope located between Asp462 - Gly478.

Protein accession number:

Human: P31749; Mouse: P31750; Rat: P47196

Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

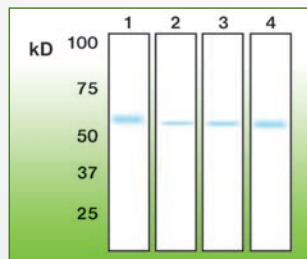
PUBLICATIONS:

J.G. Doria et al (2015) Neurobiol Dis 73, 163-73

J.G. Doria et al (2013) Br J Pharmacol 169, 909-21

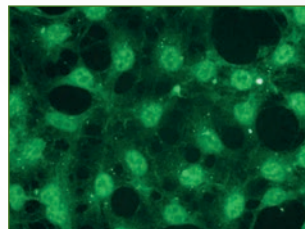
T. Dobransky, M. Madarova, F.M. Ribeiro (2012) New monospecific antibodies for studies of Akt signaling pathways in Huntington's disease. 42nd Annual Meeting of Society for Neuroscience, New Orleans, October 13-17

Akt is a serine/threonine protein kinase, represented by 3 closely related kinases Akt1, Akt2, Akt3. Akt kinase regulates many cellular processes, including cell survival, growth, proliferation and others. Akt plays an important role in regulation of signaling pathways in neurodegenerative disorders by phosphorylation of proteins involved in pathological events.

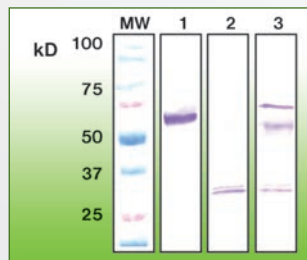


Anti - Akt1 (DB 126)

Western blot analysis of Akt1 protein in mouse crude protein brain extract: lane 2 - 20 µg; lane 3 - 100 µg; lane 4 - 200 µg of total protein loaded. Lane 1 represents the band corresponding to a 100 ng of recombinant human Akt1 (His-Akt1, Sino Biological Inc., cat.#: 10763-H08B).



Representative picture of Akt1 expression in HEK293 cells, visualized with clonal rabbit anti-Akt1 monospecific antibody. Primary antibody dilution - 1:300.



Immunoprecipitation*

- western blot analysis of Akt1 from mouse brain tissue

1. Recombinant Akt1 (50 ng; positive control).
2. 200 µg of mouse brain protein extract, immunoprecipitation protocol followed without the primary antibody (negative control).
3. Akt1 kinase immunoprecipitation from 200 µg of mouse brain protein extract with Akt1 antibody.

*Dobransky T et al (2003) Phosphorylation of 69 kDa choline acetyltransferase at threonine-456 in response to short-term exposure to amyloid-β peptide 1-42. J Biol Chem 278, 5883-5893.

Anti - Akt1 (pSer-473)

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: X20-A

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide surrounding pSer-473 at the C-terminal sequence of human Akt1 protein.

CAT# DB 127

DB 127-0.05 (50 µl)
DB 127-0.1 (100 µl)

Protein accession number:

Human: P31749; Mouse: P31750; Rat: P47196

Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

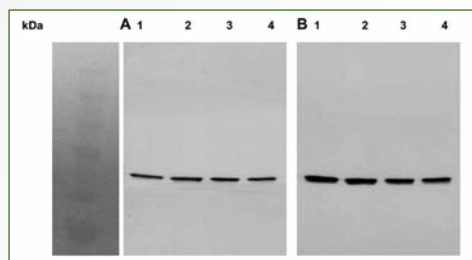
PUBLICATIONS:

J.G. Doria et al (2015) Neurobiol Dis 73, 163-73

J.G. Doria et al (2013) Br J Pharmacol 169, 909-21

T. Dobransky, M. Madarova, F.M. Ribeiro (2012) New monospecific antibodies for studies of Akt signaling pathways in Huntington's disease. 42nd Annual Meeting of Society for Neuroscience, New Orleans, October 13-17

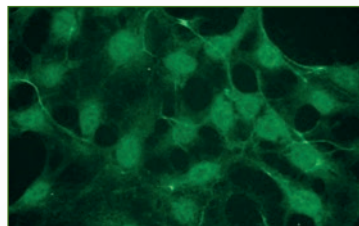
This antibody detects activated human Akt1 kinase phosphorylated at the Ser-473 residue, but also Akt2 kinase at Ser-474, and Akt3 kinase at Ser-472. Phosphorylation of this residue is crucial for regulation of kinase activity.



Anti - Akt1, pSer-473 (DB 127)

(A) Western blot analysis of Akt activation in striatal neurons stimulated with DHPG (mGluR5 agonist) for 0 (lane 1), 2 (lane 2), 5 (lane 3) or 10 (lane 4) min.

(B) Western blot analysis of total Akt (detected with anti-Akt1 antibody, DB 126) in striatal neurons stimulated with DHPG (a mGluR5 agonist) for 0 (lane 1), 2 (lane 2), 5 (lane 3) or 10 (lane 4) min. Wells were equally loaded with 100 µg of whole cell lysate proteins. Western blot was performed by Dr. Fabiola M. Ribeiro, Departamento de Bioquímica e Imunologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Brasil.



Representative picture of Akt1 (only when phosphorylated at the Ser-473 residue) in HEK293 cells, visualized with clonal rabbit anti-Akt1, pSer-473 monospecific antibody. Primary antibody dilution - 1:300.

PRODUCT INFORMATION

CAT# DB 182 DB 182-0.05 (50 µl)
DB 182-0.1 (100 µl)

Clone: D16-H

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

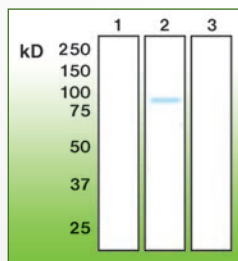
Immunogen: Peptide derived from the C-terminal sequence of human Akt2 protein. Antibody recognizes the epitope located between Arg455 - Thr468.

Protein accession number:

Human: P31751; Mouse: Q60823; Rat: P47197

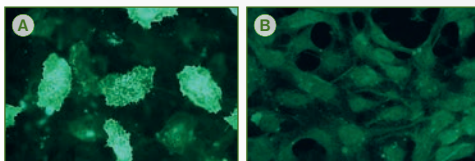
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Akt2 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis.



Anti - Akt2 (DB 182)

Western blot analysis of DB 182 specificity using recombinant proteins Akt1, Akt2 and Akt3: lane 1 - 0.2 µg of human His-Akt1; lane 2 - 0.2 µg of human GST-Akt2; lane 3 - 0.2 µg of human GST-Akt3 loaded.



Representative pictures of Akt2 expression in Akt2 transfected HEK293 cells (A) and in non-transfected HEK293 cells (B), visualized with anti-Akt2 rabbit monospecific clonal antibody. Primary antibody dilution- 1:300.

PRODUCT INFORMATION

CAT# DB 183 DB 183-0.05 (50 µl)
DB 183-0.1 (100 µl)

Clone: Q10-E

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

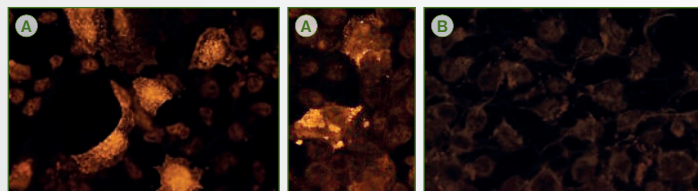
Immunogen: Peptide surrounding pSer-478 at the C-terminal sequence of human Akt2.

Protein accession number:

Human: P31751; Mouse: Q60823; Rat: P47197

Application: Immunocytochemistry

Akt2 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis. Serine-478 phosphorylation of Akt2 may alternate the kinase activity, mainly its activation through phosphorylation of Ser-474.



Representative pictures of pS478-Akt2 expression in Akt2 transfected and PMA stimulated HEK293 cells (A); and in non-transfected, untreated HEK293 cells (B), visualized with anti-pS478-Akt2 rabbit monospecific clonal antibody. Primary antibody dilution - 1:1000.

Anti - Akt3

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: E18-H

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal sequence of human Akt3 protein. Antibody recognizes the epitope located between Tyr452 - Pro466.

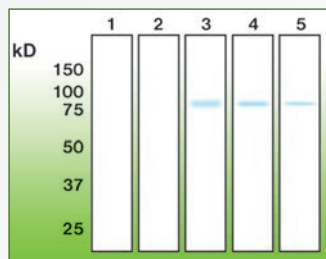
CAT# DB 184

DB 184-0.05 (50 µl)
DB 184-0.1 (100 µl)

Protein accession number: Human: Q9Y243;
Mouse: Q9WUA6; Rat: Q63484

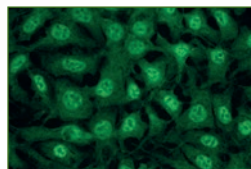
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Akt3 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis.



Anti - Akt3 (DB 184)

Western blot analysis of DB 184 specificity using recombinant proteins Akt1, Akt2 and Akt3; lane 1 - 0.2 µg of human His-Akt1; lane 2 - 0.2 µg of human GST-Akt2; lane 3 - 1 µg of human GST-Akt3, lane 4 - 0.5 µg of human GST-Akt3, lane 5 - 0.2 µg of human GST-Akt3 loaded.



Representative picture of Akt3 expression in HEK293 cells, visualized with clonal rabbit anti-Akt3 monospecific antibody. Primary antibody dilution - 1:500.

Anti - β-Actin

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: S12-I

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human β-actin. Antibody recognizes the epitope located between Ser358 - Ser368.

CAT# DB 001

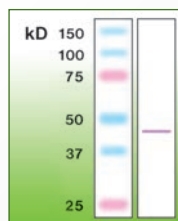
DB 001-0.05 (50 µl)
DB 001-0.1 (100 µl)

Protein accession number:

Human: P60709; Mouse: P60710; Rat: P60711

Application: Western blot, Immunoprecipitation, ELISA

Homogenous immunoglobulin fraction characterizing the major epitope of alpha and beta-actin located on the C-terminal conserved region of protein. This antibody is used to study the intracellular distribution of actin, quantitative detection and interaction with other cellular proteins.



Anti - β-Actin (DB 001)

Western blot of β-actin in mouse brain crude lysate (50 µg of protein loaded).

PRODUCT INFORMATION

CAT# DB 123

DB 123-0.05 (50 µl)
DB 123-0.1 (100 µl)

Clone: G26-R

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

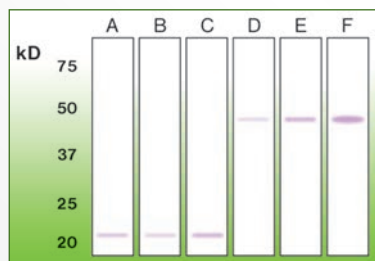
Immunogen: Peptide derived from the N-terminal sequence of human Bax. Antibody recognizes the epitope located between Pro13 - Gly36.

Protein accession number: Human: Q07812;

Mouse: Q07813; Rat: Q63690

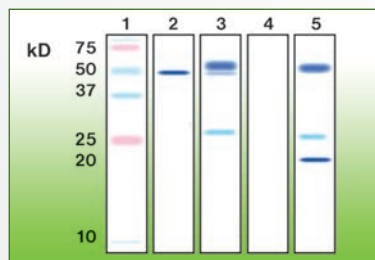
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

This monospecific antibody detects the human, mouse, and rat Bax protein, characterized by the same epitope placed within the N-terminal sequence. Bax expression, mostly associated with apoptosis promotion, has been extensively studied in connection with cancer cells responses to chemotherapeutic drugs.



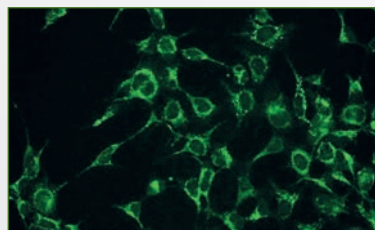
Anti - Bax (DB 123)

Western blot analysis of Bax protein in mouse brain extract (A), rat brain extract (B), HEK 293 cells (C) - 200 µg of total protein loaded per well. GST-fusion recombinant human Bax protein was tested under the same conditions at the concentrations of 100 ng (D), 200 ng (E), and 500 ng (F).



Representative picture of Bax immunoprecipitated from HEK 293 cells, visualized with clonal rabbit anti-Bax monospecific antibody (DB 123) in Western blot. Primary antibody dilution - 1:2,000.

lane 1 - molecular weight marker, lane 2 - positive control with recombinant GST tagged Bax (200 ng), lane 3 - positive control of Immunoprecipitation with recombinant GST tagged Bax (200 ng), lane 4 - negative control, immunoprecipitation without primary antibody, lane 5 - immunoprecipitated Bax (~20 kDa) from HEK 293 cells (500 µg of crude protein extract).



Representative picture of Bax expression in HEK293 cells, visualized with clonal rabbit anti-Bax monospecific antibody. Primary antibody dilution - 1:100.

Anti - Bcl-2

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: P22-A

Specificity: Human specific

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the N-terminal sequence of human Bcl-2. Antibody recognizes the epitope located between Ala42 - Ala60.

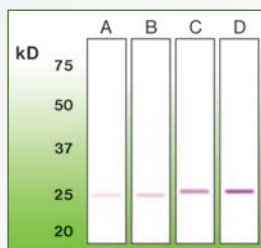
CAT# DB 132

DB 132-0.05 (50 µl)
DB 132-0.1 (100 µl)

Protein accession number: P10415

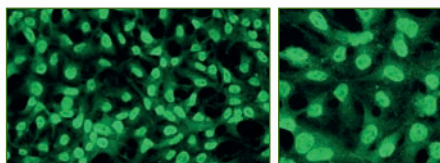
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Bcl-2 family of proteins with anti-apoptotic (bcl-2, bcl-x, bcl-w, bcl-b, mcl-1) or pro-apoptotic (effectors – bax, bak, bok, or activators – BAD, NOXA, PUMA and others) activities, have been studied for their crucial role in the regulation of apoptosis, tumor genesis and cellular response to cancer therapies.



Anti - Bcl-2 (DB 132)

Western blot analysis of Bcl-2 protein in protein extract from HEK293 cells (A) 100 µg, (B) 200 µg of total protein loaded. His6 tag-fusion recombinant human Bcl-2 protein (BioPioneer, cat#: HRP-0016) was tested under the same conditions at the concentrations of 100 ng (C), 200 ng (D).



Representative pictures of Bcl-2 expression in HEK293 cells, visualized with clonal rabbit anti-Bcl-2 monospecific antibody. Primary antibody dilution 1:200.

Anti - CD56/NCAM

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: A24-I

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the area close to the C-terminus sequence of human CD56/NCAM. Antibody recognizes the epitope located between Glu687 - Ile708.

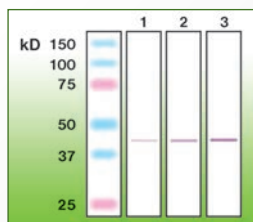
CAT# DB 074

DB 074-0.05 (50 µl)
DB 074-0.1 (100 µl)

Protein accession number: Human: P13591;
Mouse: P13595; Rat: P13596

Application: Western blot, Immunoprecipitation, ELISA

This monospecific antibody detects the epitope close to the C-terminus of human, mouse and rat CD56, expressed on the surface of neuronal cells, glia, skeletal muscle cells and natural killer cells. In cancer, the CD56 positivity is observed mostly in myelomas, neuroendocrine tumors, lymphomas and small cell lung carcinomas.



Anti - CD56/NCAM (DB 074)

Western blot of CD56/NCAM: lane 1 - 100 ng; lane 2 - 200 ng; lane 3 - 500 ng of partial recombinant human CD56/NCAM. (NCAM1, GST-CD56/NCAM, aa 611 - 710; Novus Biologicals, H00004684-Q01).

ANTIBODIES FOR WB AND ICC

Anti - CD8

RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

CAT# DB 086

DB 086-0.05 (50 µl)
DB 086-0.1 (100 µl)

Clone: S23-D

Specificity: Human

Expiration: 24 months from the shipping date

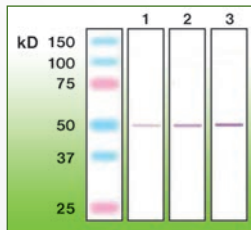
Immunogen: Peptide derived from the region close to the N-terminus of human CD8 sequence. Antibody recognizes the epitope located between Lys77 - Arg93.

Protein accession number:

P01732

Application: Western blot, Immunoprecipitation, ELISA

Antibody detects specifically the human form of CD8. CD8 plays a crucial role in the signaling pathways of T cells, including different types of cancer.



Anti - CD8 (DB 086)

Western blot of CD8: lane 1 - 100 ng; lane 2 - 200 ng; lane 3 - 500 ng of recombinant human CD8 (N-term GST human CD8, aa 1 - 236; Novus Biologicals, H00000925-P01).

ANTIBODIES FOR WB AND ICC

Anti - c-FOS

RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

CAT# DB 185

DB 185-0.05 (50 µl)
DB 185-0.1 (100 µl)

Clone: F14-R

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

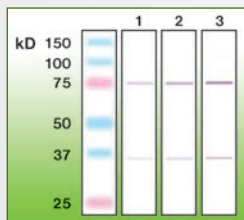
Immunogen: Peptide derived from the N-terminal sequence of human c-FOS. Antibody recognizes the epitope located between Ser4 - Arg16.

Protein accession number: Human: P01100;

Mouse: P01101; Rat: P12841

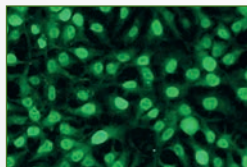
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

c-FOS proto-oncogenic transcription factor is associated with the regulation of cell proliferation, differentiation, and transformation. c-FOS expression is also associated with regulation of apoptotic cell death. Its expression increases upon several known stimuli, including growth factors, neurotransmitters, hormones, stress and cell injury. Overexpression of c-FOS has been found in several types of cancer.



Anti - c-FOS (DB 185)

Western blot of c-FOS: lane 1 - 100 ng; lane 2 - 200 ng; lane 3 - 500 ng of recombinant human c-FOS (N-term GST c-FOS, aa 1 - 381; Novus Biologicals, H00002353-P01).



Representative picture of c-FOS expression in HEK293 cells, visualized with clonal rabbit anti-c-FOS monospecific antibody. Primary antibody dilution - 1:500.

Anti - c-FOS

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

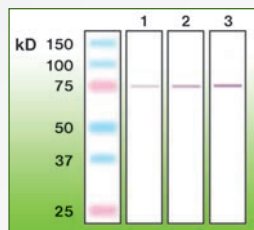
PRODUCT INFORMATION

Clone: A16-L
Specificity: Human, mouse, rat
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the C-terminal sequence of human c-FOS. Antibody recognizes the epitope located between His358 - Leu372.

CAT# DB 186 DB 186-0.05 (50 µl)
DB 186-0.1 (100 µl)

Protein accession number: Human: P01100; Mouse: P01101; Rat: P12841
Application: Western blot, Immunoprecipitation, ELISA

c-FOS proto-oncogenic transcription factor is associated with the regulation of cell proliferation, differentiation, and transformation. c-FOS expression is also associated with regulation of apoptotic cell death. Its expression increases upon several known stimuli, including growth factors, neurotransmitters, hormones, stress and cell injury. Overexpression of c-FOS has been found in several types of cancer.



Anti - c-FOS (DB 186)
Western blot of c-FOS: lane 1 - 100 ng; lane 2 - 200 ng; lane 3 - 500 ng of recombinant human c-FOS (GST c-FOS, aa 1 - 381; Novus Biologicals, H00002353-P01).

Anti - CREB

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

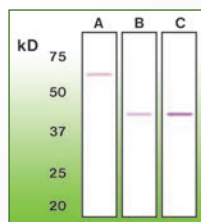
PRODUCT INFORMATION

Clone: Q19-D
Specificity: Human, mouse, rat
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the region close to the N-terminus of human CREB. Antibody recognizes the epitope located between Arg124 - Asp140.

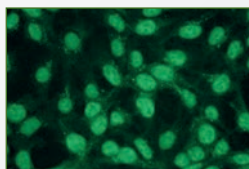
CAT# DB 168 DB 168-0.05 (50 µl)
DB 168-0.1 (100 µl)

Protein accession number: Human: P16220; Mouse: Q01147; Rat: P15337
Application: Western blot, ELISA

Cyclic AMP response element-binding protein (CREB) cellular transcription factor activates the target genes through cAMP response elements. CREB plays an important role in regulation of signaling pathways in nervous system. It promotes neuronal cell survival, neurite outgrowth, and neuronal differentiation.



Anti - CREB (DB 168)
Western blot analysis of CREB. Lane A - 400 ng of human recombinant CREB (1-342a.a., N-terminal GST tag; Novus Biologicals, cat. #: H00001385-P01). In 100 µg of brain crude protein extract, Lane B - mouse; Lane C - rat.



Representative picture of CREB expression in HEK293 cells, visualized with clonal rabbit anti-CREB monospecific antibody. Primary antibody dilution - 1:400.

ANTIBODIES FOR WB AND ICC

Anti - CTRP5 RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

CAT# DB 018

DB 018-0.05 (50 µl)
DB 018-0.1 (100 µl)

Clone: A14-A

Specificity: Human, mouse

Expiration: 24 months from the shipping date

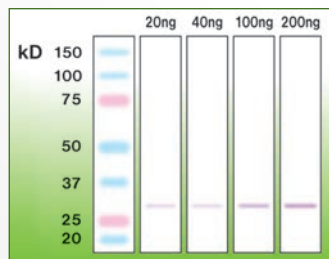
Immunogen: Peptide derived from internal sequence of human CTRP5. Antibody recognizes the epitope located between Lys109 - Ala121.

Protein accession number:

Human: Q9BXJ0; Mouse: Q8K479

Application: Western blot, ELISA

CTRP5 (Complement C1q tumor necrosis factor-related protein 5) belongs to the group of paralogs of the adiponectin protein, characterized by an N-terminal variable region and C-terminal globular domain (C1q). Expressed in a wide variety of tissues, CTRP5 had been suggested to be involved in age-related macular degeneration.



Anti - CTRP5 (DB 018)

Western blot of mouse recombinant CTRP5 (Alexis Biochemicals; product number: ALX-522-102).

ANTIBODIES FOR WB AND ICC

Anti - CTRP7 RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

CAT# DB 019

DB 019-0.05 (50 µl)
DB 019-0.1 (100 µl)

Clone: K14-S

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

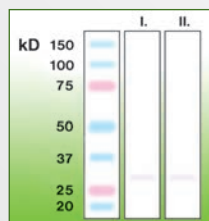
Immunogen: Peptide derived from internal sequence of human CTRP7. Antibody recognizes the epitope located between Thr220 - Ala231.

Protein accession number: Human: Q9BXJ2;

Mouse: Q8BVD7; Rat: G5BGB9

Application: Western blot, ELISA

CTRP7 (adiponectin paralog; Complement C1q, Tumor necrosis factor α -Related Protein 7) is expressed in a wide variety of tissues however, acts mainly in liver and muscle cells to control glucose and lipid metabolism. Like the other members of the adiponectin and CTRP protein family, the mature CTRP7 is secreted and can be found in the circulatory system.



Anti - CTRP7 (DB 019)

Western Blot of CTRP7 in rat (I.) and mouse (II.) brain crude lysates (200 µg of total protein loaded).

Anti – Cytokeratin 18

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

CAT# DB 233

DB 233-0.05 (50 µl)
DB 233-0.1 (100 µl)

Clone: D10-D

Specificity: Human

Expiration: 24 months from the shipping date

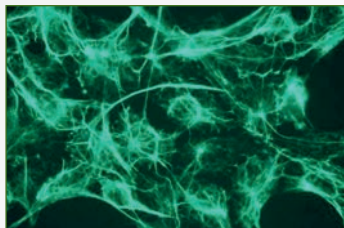
Immunogen: Peptide derived from C-terminal

sequence of human Cytokeratin 18. Antibody recognizes the epitope between Gly416 - Lys426.

Protein accession number: P05783

Application: Immunocytochemistry

Immunocytochemistry of Cytokeratin 18 is used for diagnostics of cancer in glandular epithelia. Discrepancies in expression are detected in several types of carcinomas: colon, respiratory, urogenital, endocrine and exocrine tissues.



Representative picture of Cytokeratin 18 expression in HEK293 cells, visualized with clonal rabbit anti-Cytokeratin 18 monoclonal antibody. Primary antibody dilution - 1:200.

Anti – Cytokeratin 19

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

CAT# DB 234

DB 234-0.05 (50 µl)
DB 234-0.1 (100 µl)

Clone: E10-S

Specificity: Human

Expiration: 24 months from the shipping date

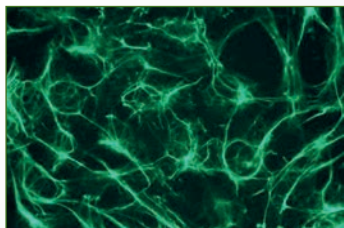
Immunogen: Peptide derived from C-terminal

sequence of human Cytokeratin 19. Antibody recognizes the epitope between His390 - Ser397.

Protein accession number: P08727

Application: Immunocytochemistry

Cytokeratin 19 expression is associated with a wide variety of epithelium and epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver and breast.



Representative picture of Cytokeratin 19 expression in HEK293 cells, visualized with clonal rabbit anti-Cytokeratin 19 monoclonal antibody. Primary antibody dilution - 1:100.

PRODUCT INFORMATION

Clone: B20-U
Specificity: Human, mouse, rat
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human Erk2. Antibody recognizes the epitope located between Ile319 - Tyr333.

CAT# DB 012

DB 012-0.05 (50 µl)
 DB 012-0.1 (100 µl)

Protein accession number:

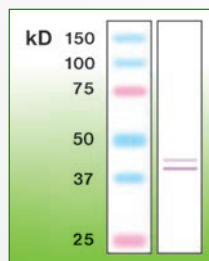
Human: P27361/P28482;
 Mouse: Q63844/P63085;
 Rat: P21708/P63086

Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

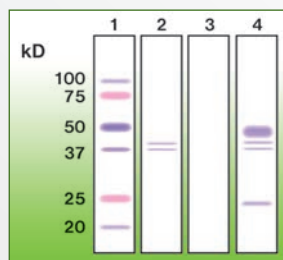
PUBLICATIONS:

E. Ranzato et al (2010) Cell Biochem Biophys 57, 9-17
 J.G. Doria et al (2015) Neurobiol Dis 73, 163-73

Clonal antibody representing both, Erk1 and Erk2, recognizes the unique conserved epitope for both kinases. Erk1,2 belongs to a family of serine/threonine protein kinases known as mitogen-activated protein kinases (MAPKs), involved in many cellular regulatory events such as proliferation, differentiation and cell survival.

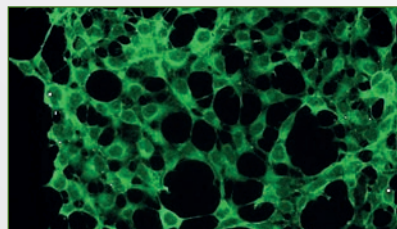


Anti - Erk 1,2 (DB 012)
 Western blot of Erk 1,2 in rat brain crude lysate (100 µg of protein loaded).



Representative picture of Erk 1,2 immunoprecipitated from HEK 293 cells, visualized with clonal rabbit anti- Erk 1,2 monospecific antibody (DB 012) in Western blot analysis. Primary antibody dilution - 1:5,000.

lane 1 - molecular weight marker; lane 2 - positive control, Western blot of HEK 293 (100 µg) with anti-Erk 1, 2 rabbit clonal primary antibody; lane 3 - negative control, immunoprecipitation without primary antibody; lane 4 -immunoprecipitated Erk 1,2 (~40 and ~45 kDa proteins) from HEK 293 cells (500 µg of crude protein extract) using DB 012 antibody.



Representative picture of Erk1,2 expression in HEK293 cells, visualized with clonal rabbit anti-Erk1,2 monospecific antibody. Primary antibody dilution - 1:200.

Anti - iNOS

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: K13-A

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human iNOS. Antibody recognizes the epitope located between Ser1119 - Gly1129.

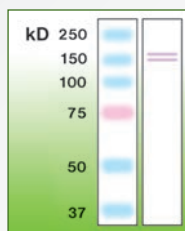
CAT# DB 003

DB 003-0.05 (50 µl)
DB 003-0.1 (100 µl)

Protein accession number: Human: P35228 (P29475); Mouse: P29477; Rat: Q06518

Application: Western blot, Immunoprecipitation, ELISA

Immunoglobulin fraction recognizing primarily inducible form of nitric oxide synthase (NOS). May cross-react with two other forms of NOS-endothelial (eNOS) and neuronal or brain (nNOS or bNOS).



Anti - iNOS (DB 003)
Western blot of *i(n)NOS* in mouse brain crude lysate (50 µg of protein loaded).

Anti - Metallothionein

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: N11-G

Specificity: Human - isoforms: 1A, 1B, 1E, 1F, 1G, 1H, 1I, 1L, 1M, 1Q, 1S, 1Y, 2A; Rabbit - isoforms: 1A, 2A

Expiration: 24 months from the shipping date

Immunogen: Peptide corresponding to the N-terminal sequence of human Metallothionein (covering isoforms 1A, B, E, F, G, H, I, L, M, Q, S, Y, 2A)

CAT# DB 014

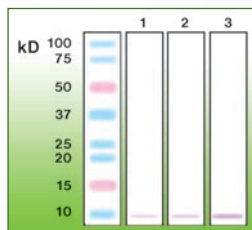
DB 014-0.05 (50 µl)
DB 014-0.1 (100 µl)

Protein accession number:

Human Metallothionein - 1A: P04731; 1B: P07438; 1E: P04732; 1F: P04733; 1G: P13640; 1H: P80294; 1I: P80295; 1L: Q93083; 1M: Q8N339; 1Q: Q86YX0; 1S: Q86YX5, 1Y: Q8TDC4; 2A: P02795; Rabbit Metallothionein - 1A: P11957; 2A: P18055

Application: Western blot, ELISA

Metallothionein clonal antibody designed to the epitope present at the N-terminal portion of protein sequence, covers following isoform of human protein: 1A, B, E, F, G, H, I, L, M, Q, S, Y, and 2A. The antibody may be applied for the detection of some Metallothionein isoforms expressed in other mammalian species.



Anti - Metallothionein (DB 014)
Western blot of Metallothionein from rabbit liver (Alexis biochemicals; cat #: ALX-202-071-C500). Lane 1 - 1 µg; Lane 2 - 3 µg; Lane 3 - 5 µg of protein loaded.

ANTIBODIES FOR WB AND ICC

Anti - Nephrin RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

Clone: Y17-R
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the centre of the fifth Ig-like domain of human Nephrin. Antibody recognizes the epitope located between Cys465 - Cys528.

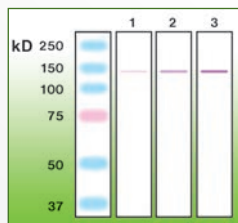
CAT# DB 017 DB 017-0.05 (50 µl)
 DB 017-0.1 (100 µl)

Specificity: Human, mouse, rat
Protein accession number: Human: O60500;
 Mouse: Q9QZS7; Rat: Q9R044
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

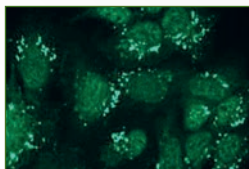
PUBLICATIONS:

N. Takahashi et al (2012) Clin Exp Nephrol 16, 495-500
 K. Finne et al (2014) Nephrol Dial Transplant 29, 2217-27

Nephrin is an important functional component of the structurally unresolved molecular filter in renal glomerular capillaries. Its physiological dysregulation or changes of expression may cause severe proteinuria and loss of the slit diaphragm. This rabbit clonal antibody represents the fraction of IgG produced to sequence derived from the centre of the fifth Ig-like domain of human Nephrin (between the residues Cys465-Cys528).



Anti - Nephrin (DB 017)
 Western blot analysis of mouse Nephrin: lane 1 - 50 ng; lane 2 - 100 ng; lane 3 - 200 ng of recombinant mouse Nephrin (extracellular domain, Gln 37 - Thr 1049; cat. #: 3159/NN, R&D systems).



Representative picture of Nephrin expression in HEK293 cells, visualized with clonal rabbit anti-Nephrin monoclonal antibody. Primary antibody dilution - 1:700.

ANTIBODIES FOR WB AND ICC

Anti - Nephrin RABBIT CLONAL ANTIBODY

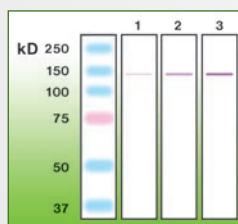
PRODUCT INFORMATION

Clone: G17-H
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of first Ig-like domain of human Nephrin. Antibody recognizes the epitope located between Cys53 - Cys101.

CAT# DB 024 DB 024-0.05 (50 µl)
 DB 024-0.1 (100 µl)

Specificity: Human, mouse, rat
Protein accession number: Human: O60500;
 Mouse: Q9QZS7; Rat: Q9R044
Application: Western blot, Immunoprecipitation, ELISA

Nephrin is a major functional component of the structurally unresolved molecular filter in renal glomerular capillaries. Its physiological dysregulation or changes of expression may cause severe proteinuria and loss of the slit diaphragm.



Anti - Nephrin (DB 024)
 Western blot analysis of mouse Nephrin: lane 1 - 50 ng; lane 2 - 100 ng; lane 3 - 200 ng of recombinant mouse Nephrin (extracellular domain, Gln 37 - Thr 1049; cat. #: 3159/NN, R&D systems).

Anti - p38- α (MAPK14)

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

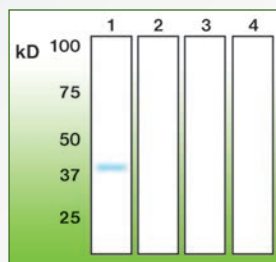
PRODUCT INFORMATION

Clone: E17-S
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the C-terminal sequence of human p38- α . Antibody recognizes the epitope located between Val345 - Glu359.

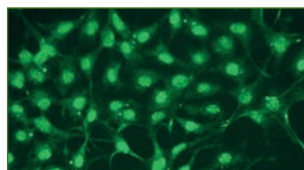
CAT# DB 161 DB 161-0.05 (50 μ l)
DB 161-0.1 (100 μ l)

Specificity: Human, mouse, rat
Protein accession number: Human: Q16539;
Mouse: P47811; Rat: P70618
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

p38- α mitogen-activated protein kinase (MAPK14, SAPK2A), is ubiquitously expressed protein kinase which plays an important role in multiple cellular events, including cellular responses to stress, control of cell proliferation and cell survival.



Anti - p38- α (DB 161)
Western blot analysis of p38- α . Lane 1 - human recombinant p38- α (260-360a.a., N-terminal GST tag; Novus Biologicals, cat. #: H00001432-Q01), lane 2 - human recombinant p38- β (with C-terminal DDK tag, Novus Biologicals, cat. #: NBL1-12870), lane 3 - human recombinant p38- γ (1-368a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00006300-P01), lane 4 - human recombinant p38- δ (1-366a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00005603-P01). 500 ng of recombinant protein was loaded in each well.



Representative picture of p38- α expression in HEK293 cells, visualized with clonal rabbit anti-p38- α monospecific antibody. Primary antibody dilution - 1:300.

Anti - p38- β (MAPK11)

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

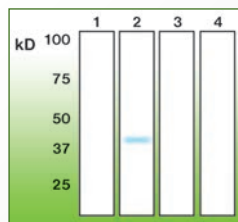
PRODUCT INFORMATION

Clone: E13-Q
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the C-terminal sequence of human p38- β . Antibody recognizes the epitope located between Glu352 - Glu363.

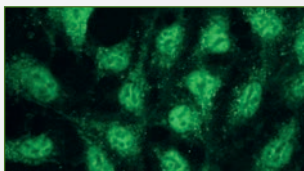
CAT# DB 162 DB 162-0.05 (50 μ l)
DB 162-0.1 (100 μ l)

Specificity: Human specific
Protein accession number: Q15759
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

p38- β mitogen-activated protein kinase (MAPK11, SAPK2B), is an ubiquitous mitogen-activated protein kinase, activated by proinflammatory cytokines and environmental stress. Its activation is regulated by phosphorylation via MAP kinase kinases (MKKs), mostly MKK6.



Anti - p38- β (DB 162)
Western blot analysis of p38- β . Lane 1 - human recombinant p38- α (260-360a.a., N-terminal GST tag; Novus Biologicals, cat. #: H00001432-Q01), lane 2 - human recombinant p38- β (with C-terminal DDK tag, Novus Biologicals, cat. #: NBL1-12870), lane 3 - human recombinant p38- γ (1-368a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00006300-P01), lane 4 - human recombinant p38- δ (1-366a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00005603-P01). 500 ng of recombinant protein was loaded in each well.



Representative picture of p38- β expression in HEK293 cells, visualized with clonal rabbit anti-p38- β monospecific antibody. Primary antibody dilution - 1:500.

ANTIBODIES FOR WB AND ICC

Anti - p38- γ (MAPK12) RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

Clone: R13-L

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal sequence of human p38- γ . Antibody recognizes the epitope located between Arg355 - Pro366.

CAT# DB 163

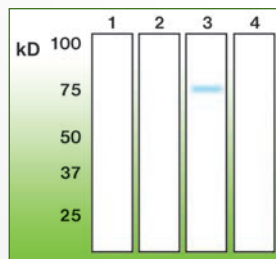
DB 163-0.05 (50 μ l)
DB 163-0.1 (100 μ l)

Protein accession number:

Human: P53778; Mouse: O08911; Rat: Q63538

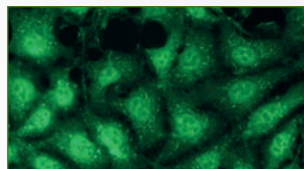
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

p38- γ mitogen-activated protein kinase (MAPK12, SAPK3), plays an important role in myoblast differentiation and down regulation of cyclin D1 response to hypoxia in adrenal cells. Thus, MAPK12 is considered to inhibit cell proliferation while promoting cell differentiation.



Anti - p38- γ (DB 163)

Western blot analysis of p38- γ . Lane 1 - human recombinant p38- α (260-360a.a., N-terminal GST tag; Novus Biologicals, cat. #: H00001432-Q01), lane 2 - human recombinant p38- β (with C-terminal DDK tag, Novus Biologicals, cat. #: NBL1-12870), lane 3 - human recombinant p38- γ (1-368a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00006300-P01), lane 4 - human recombinant p38- δ (1-366a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00005603-P01). 500 ng of recombinant protein was loaded in each well.



Representative picture of p38- γ expression in HEK293 cells, visualized with clonal rabbit anti-p38- γ monospecific antibody. Primary antibody dilution - 1:300.

ANTIBODIES FOR WB AND ICC

Anti - p38- δ (MAPK13) RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

Clone: I14-L

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the C-terminal sequence of human p38- δ . Antibody recognizes the epitope located between Ala353 - Leu365.

CAT# DB 164

DB 164-0.05 (50 μ l)
DB 164-0.1 (100 μ l)

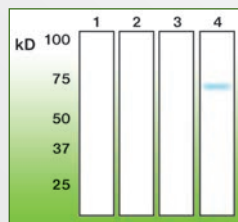
Specificity: Human, mouse, rat

Protein accession number: Human: O15264;

Mouse: Q9Z1B7; Rat: Q9WTY9

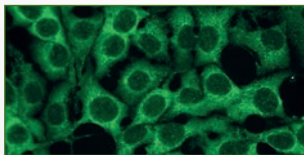
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

p38- δ mitogen-activated protein kinase (MAPK13, SAPK4) is associated with regulation of protein translation by EEF2K phosphorylation. This kinase is involved also in cytoskeletal remodeling, regulation of epidermal keratinocyte differentiation, apoptosis and development of melanoma. MAPK13 plays also a role in regulation of insulin secretion in pancreatic beta cells.



Anti - p38- δ (DB 164)

Western blot analysis of p38- δ . Lane 1 - human recombinant p38- α (260-360a.a., N-terminal GST tag; Novus Biologicals, cat. #: H00001432-Q01), lane 2 - human recombinant p38- β (with C-terminal DDK tag, Novus Biologicals, cat. #: NBL1-12870), lane 3 - human recombinant p38- γ (1-368a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00006300-P01), lane 4 - human recombinant p38- δ (1-366a.a., N-terminal GST tag, Novus Biologicals, cat. #: H00005603-P01). 500 ng of recombinant protein was loaded in each well.



Representative picture of p38- δ expression in HEK293 cells, visualized with clonal rabbit anti-p38- δ monospecific antibody. Primary antibody dilution - 1:300.

Anti - p53

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: S11-K

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human p53. Antibody recognizes the epitope located between Lys372 - His380.

CAT# DB 002

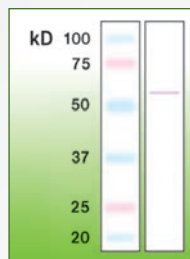
DB 002-0.05 (50 µl)
DB 002-0.1 (100 µl)

Protein accession number:

Human: P04637; Mouse: P02340; Rat: P10361

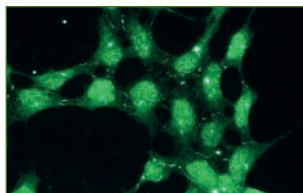
Application: Western blot (transfer to PVDF membrane is recommended), ELISA, Immunoprecipitation, Immunocytochemistry

Clonal, highly purified, immunoglobulin recognizing a major C-terminal epitope of tumor suppressor protein p53. A very useful antibody for detection, quantification and in cell localization studies of p53. Strongly recommended for use in p53 interaction proteins studies under different stimuli.



Anti - p53 (DB 002)

Western blot of p53 in mouse brain crude lysate (50 µg of protein loaded).



Representative picture of p53 expression in HEK293 cells, visualized with clonal rabbit anti-p53 monospecific antibody. Primary antibody dilution - 1:200.

Anti - p63/TP63

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: C24-I

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the region close to the N-terminus of human p63/TP63 protein. Antibody recognizes the epitope located between Val69 - Lys88.

CAT# DB 133

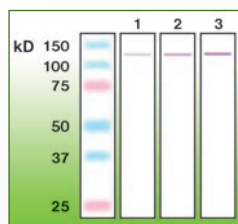
DB 133-0.05 (50 µl)
DB 133-0.1 (100 µl)

Specificity: Human, mouse, rat

Protein accession number: Human: Q9H3D4; Mouse: O88898; Rat: Q9JJJ6

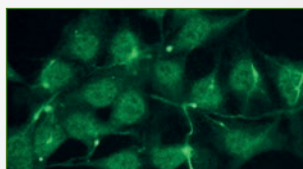
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Monospecific clonal antibody, detecting the human, mouse and rat forms of p63, a member of the p53 family of transcription factors. In normal tissue, the expression of p63 is restricted mostly to epithelial cells. In cancer, the over-expression of p63 is found in squamous cell carcinomas and transitional cell carcinomas.



Anti - p63/TP63 (DB 133)

Western blot of p63/TP63: lane 1 - 100 ng; lane 2 - 200 ng; lane 3 - 500 ng of recombinant human p63/TP63 (N-term GST p63/TP63, aa 1 - 680; Novus Biologicals, H00008626-P01).



Representative picture of p63/TP63 expression in HEK293 cells, visualized with clonal rabbit anti-p63/TP63 monospecific antibody. Primary antibody dilution - 1:300.

PRODUCT INFORMATION

Clone: G15-B
Specificity: Human, mouse, rat
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the protein area including conserved pT-E-pY motif of activated Erk 1,2.

CAT# DB 013

DB 013-0.05 (50 µl)
 DB 013-0.1 (100 µl)

Protein accession number:

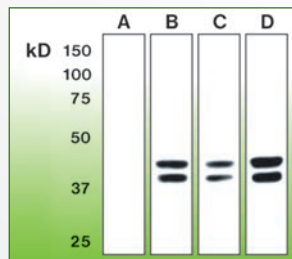
Human: P27361/P28482; Mouse: Q63844/P63085;
 Rat: P21708/P63086

Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

PUBLICATIONS:

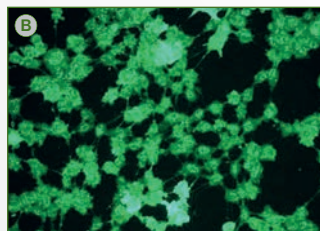
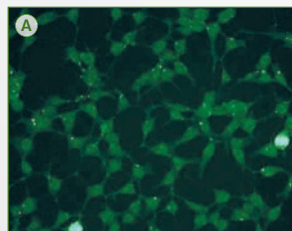
- W.R. Lee et al (2015) J Transl Med, 13:191
 C.J. Tai et al (2013) Ann Diagn Pathol 17, 165-71 (note: This antibody was here also used for IHC application)
 C.J. Tai et al (2012) Pol J Pathol 63, 93-100
 E. Ranzato et al (2010) Cell Biochem Biophys 57, 9-17
 J.G. Doria et al (2015) Neurobiol Dis 73, 163-73

Major clone of IgGs representing both, Erk1 and Erk2, corresponding to pT202-E-pY204 of Erk1, and pT185-E-pY187 dual phosphorylation motif of Erk2. Phosphorylation of Erk1,2 is a prominent cellular event in the early diagnosis and treatment of cancer.



Anti - Phospho-Erk 1,2 (DB 013)

Western blot analysis of Erk 1,2 activation in untreated PC12 cells (A), cells treated with EGF-100 ng/ml, 5min (B), PMA-100nM, 30min (C) in serum free DMEM, and EGF-100 ng/ml, 5min with 10% FBS in DMEM (D). Wells were equally loaded with 50 µg of whole cell lysate proteins/well.



Representative pictures of Phospho-Erk1,2 expression in HEK293 cells, (picture A - untreated cells, picture B - hydrogen peroxide treated cells) visualized with clonal rabbit anti-Phospho-Erk1,2 monospecific antibody. Primary antibody dilution - 1:100.

Anti - PKC- α

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: Q13-R

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human PKC- α . Antibody recognizes the epitope located between Asn8 - Ala17.

CAT# DB 005

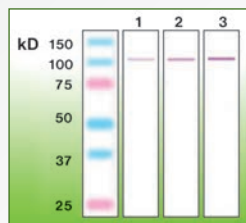
DB 005-0.05 (50 μ l)
DB 005-0.1 (100 μ l)

Protein accession number: Human: P17252;

Mouse: P20444; Rat: P05696

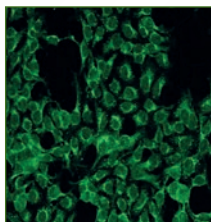
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Conventional PKC isoform which serves as an important regulator of multiple signaling pathways in cells, including cancer and diabetes. Its activity in different sub-cellular compartments of living cells may be quantified by using a specific antibody recognizing strictly this isoform. Clonal PKC- α antibody is mapping unique and well conserved epitope of this PKC isoform.



Anti - PKC- α (DB 005)

Western blot of PKC- α : lane 1 - 50 ng; lane 2 - 100 ng; lane 3 - 200 ng of recombinant human PKC- α (N-term GST PKC- α ; ENZO, SE494-0005; MW=103kDa).



Representative picture of PKC- α expression in HEK293 cells, visualized with clonal rabbit anti-PKC- α monospecific antibody. Primary antibody dilution - 1:100.

Anti - PKC- β

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: A10-F

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human PKC- β . Antibody recognizes the epitope located between Ala658 - Glu666.

CAT# DB 006

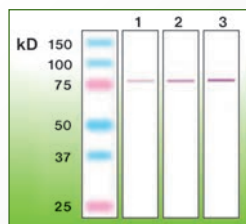
DB 006-0.05 (50 μ l)
DB 006-0.1 (100 μ l)

Protein accession number:

Human: P05771; Mouse: P68404; Rat: P68403

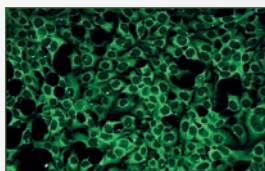
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Clonal antibody mapping strictly a major C-terminal epitope of this PKC isoform playing an important regulatory role in T-cell migration.



Anti - PKC- β (DB 006)

Western blot of PKC- β : lane 1 - 50 ng; lane 2 - 100 ng; lane 3 - 200 ng of human recombinant PKC- β ; ENZO, SE-144; MW=76.8kDa.



Representative picture of PKC- β expression in HEK293 cells, visualized with clonal rabbit anti-PKC- β monospecific antibody. Primary antibody dilution - 1:150.

PRODUCT INFORMATION

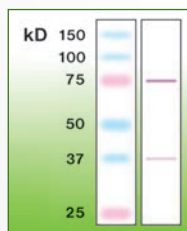
Clone: N11-S
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human PKC- β II. Antibody recognizes the epitope located between Asn663 - Lys672.

CAT# DB 007 DB 007-0.05 (50 μ l)
DB 007-0.1 (100 μ l)

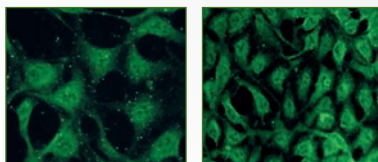
Specificity: Human, mouse, rat
Protein accession number: Human: P05771-2;
Mouse: P68404-2; Rat: P68403-2
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

PUBLICATIONS: S.E. Baxley, W. Jiang, R. Serra (2011) Biol Reprod 85, 907-15

A high homology with PKC- β I due to a single gene splicing gives a very limited possibility for a specific antibody design. In-vitro cloning technology is introducing a homogenous fraction of IgGs recognizing specifically this isoform of PKC.



Anti - PKC- β II (DB 007)
Western blot of PKC- β II in mouse brain crude lysate (50 μ g of protein loaded).



Representative pictures of PKC- β II expression in HEK293 cells, visualized with clonal rabbit anti-PKC- β II monospecific antibody. Primary antibody dilution - 1:200.

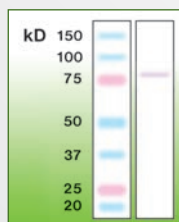
PRODUCT INFORMATION

Clone: A12-H
Specificity: Human, mouse, rat
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from internal sequence of human PKC- γ . Antibody recognizes the epitope located between Leu405 - Pro414.

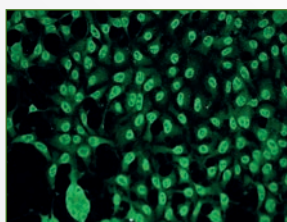
CAT# DB 008 DB 008-0.05 (50 μ l)
DB 008-0.1 (100 μ l)

Protein accession number:
Human: P05129; Mouse: P63318; Rat: P63319
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Mostly brain and spinal cord specific isoform of PKC playing many important roles in signaling pathways in neuronal and related cells.



Anti - PKC- γ (DB 008)
Western blot of PKC- γ in mouse brain crude lysate (200 μ g of protein loaded).



Representative picture of PKC- γ expression in HEK293 cells, visualized with clonal rabbit anti-PKC- γ monospecific antibody. Primary antibody dilution - 1:200.

Anti - PKC- δ

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: K15-K

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human PKC- δ . Antibody recognizes the epitope located between Lys42 - Trp55.

CAT# DB 009

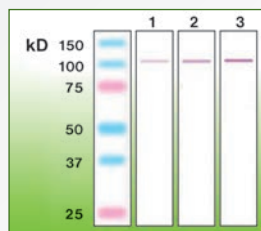
DB 009-0.05 (50 μ l)
DB 009-0.1 (100 μ l)

Protein accession number:

Human: Q05655; Mouse: P28867; Rat: P09215

Application: Western blot, Immunoprecipitation, ELISA

Novel PKC isoform intensively studied in cancer. Clonal antibody specifically recognizing PKC- δ is an important tool in mapping its physiological activity.



Anti - PKC- δ (DB 009)

Western blot of PKC- δ : lane 1 - 100 ng; lane 2 - 200 ng; lane 3 - 500 ng of human recombinant N-term GST PKC- δ ; ENZO, SE-346; MW=104kDa.

Anti - PKC- ϵ

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: G13-X

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the region close to N-terminal sequence of human PKC- ϵ . Antibody recognizes the epitope located between Ser134 - Glu144.

CAT# DB 010

DB 010-0.05 (50 μ l)
DB 010-0.1 (100 μ l)

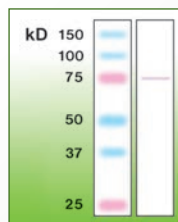
Specificity: Human, mouse, rat

Protein accession number:

Human: Q02156; Mouse: P16054; Rat: P09216

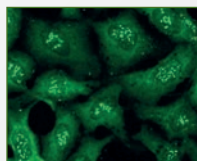
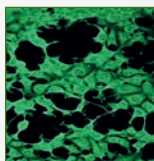
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Besides of other important roles, PKC- ϵ is involved in neuronal cell death induced by oxidative stress. Specific clonal characterization of the epitope at the N-terminal part of PKC- ϵ sequence allows its unique detection.



Anti - PKC- ϵ (DB 010)

Western blot of PKC- ϵ in mouse brain crude lysate (50 μ g of protein loaded).



Representative pictures of PKC- ϵ expression in HEK293 cells, visualized with clonal rabbit anti-PKC- ϵ monoclonal antibody. Primary antibody dilution - 1:200.

PUBLICATIONS:

- J. Liu et al (2015) Mol Med Rep 12, 3821-8
- D. Galli et al (2015) Exp Cell Res 330, 277-86
- S. Merighi et al (2013) Biochem Pharmacol 86, 487-96
- C. Carubbi et al (2012) PLoS One 7
- G. Gobbi et al (2013) Blood 122, 1305-11

PRODUCT INFORMATION

Clone: R14-K

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from internal sequence on human PKC- ζ . Antibody recognizes the epitope located between Lys220 - Leu231.

CAT# DB 011

DB 011-0.05 (50 μ l)
DB 011-0.1 (100 μ l)

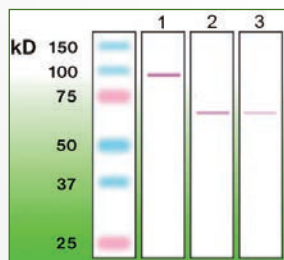
Specificity: Human, mouse, rat

Protein accession number:

Human: Q05513; Mouse: Q02956; Rat: P09217

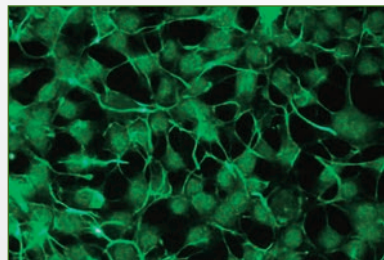
Application: Western blot, Immunoprecipitation, ELISA, Immunocytochemistry

Atypical PKC isoform involved in regulation of multiple cellular events. Present in the nucleus of the cell, it is involved in phosphorylation of many nuclear substrates. PKC- ζ plays a role in the regulation of activity and subcellular distribution of MAP kinases and their related interactors. A clonal antibody detecting specifically this isoform of PKC may be very useful in cell biology studies and related molecular characterization of signaling pathways.



Anti - PKC- ζ (DB 011)

Western blot of PKC- ζ lane 1 - 50ng of recombinant human PKC- ζ (N-term GST PKC- ζ ; BML-SE443-0005); lane 2 - mouse brain crude protein lysate (100 μ g); lane 3 - rat brain crude protein lysate (100 μ g).



Representative picture of PKC- ζ expression in HEK293 cells, visualized with clonal rabbit anti-PKC- ζ monospecific antibody. Primary antibody dilution - 1:200.

Anti - Prion

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: T16-R

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human Prion protein, just before the first octapeptide repeat. Antibody recognizes the epitope located between Thr33 - Gly46.

CAT# DB 033

DB 033-0.05 (50 µl)
DB 033-0.1 (100 µl)

Specificity: Human, ovine, bovine, mouse, rat

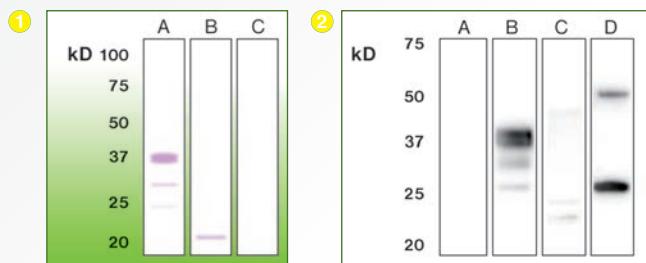
Protein accession number: Human: P04156;

Ovine: P23907; Bovine: P10279; Mouse:

P04925; Rat: P13852

Application: Western blot, Immunoprecipitation, ELISA

Mostly PrPc recognizing monospecific clonal antibody. The corresponding epitope is placed at the N-terminus of human Prion protein, just before the first octapeptide sequence repeat. Although the antibody was tested for the detection of native Prion protein (in human, ovine, bovine, mouse and rat samples), it may capture the PrPsc protein as well, which should be further evaluated by the potential end user.



Anti - Prion (DB 033)

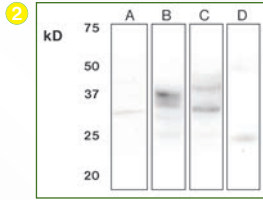
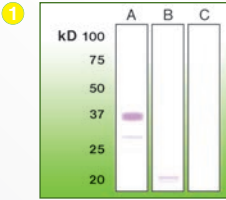
1. Western blot analysis of Prion protein in mouse brain extract (A), HEK293 cells producing recombinant human Prion protein (B), and cells transfected with empty vector (C). 200 µg of total protein loaded per well.
2. Western blot analysis of Prion protein was performed by Drs. Valeriy Ostapchenko and Marco Prado, Robarts Research Institute, Western University, London, Ontario, Canada. Lanes A-C represent extracts (30 µg of total protein per lane) of PrP-KO CF-10 cells (A), mouse hippocampus (B) and HEK293 cells, transfected with mouse Prion protein bearing 3F4 epitope (C); lane D corresponds to 30 ng recombinant MoPrP.

PRODUCT INFORMATION

Clone: V21-V
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the middle of the second alpha-helical domain of human Prion protein. Antibody recognizes the epitope located between Val161 - His177.

CAT# DB 080 DB 080-0.05 (50 µl)
 DB 080-0.1 (100 µl)

Specificity: Human, bovine, mouse, rat
Protein accession number: Human: P04156;
 Bovine: P10279; Mouse: P04925; Rat: P13852
Application: Western blot, Immunoprecipitation, ELISA



This antibody recognizes the epitope present in the middle of the second alpha-helical domain of human Prion protein. Based on the structural parameters and the antibody design, this epitope is recognized mostly in PrP^{Sc} proteins. However, the PrP^C is generally recognized as well, in human, bovine, rat and mouse samples.

Anti - Prion (DB 080)

- Western blot analysis of Prion protein in mouse brain extract (A), HEK293 cells producing recombinant human Prion protein (B), and untransfected HEK 293 cells (C). 200 µg of total protein loaded per well.
- Western blot analysis of Prion protein was performed by Drs. Valeriy Ostapchenko and Marco Prado, Robarts Research Institute, Western University, London, Ontario, Canada. Lanes A-C represent extracts (30 µg of total protein per lane) of PrP-KO CF-10 cells (A), mouse hippocampus (B) and HEK293 cells, transfected with mouse Prion protein bearing 3F4 epitope (C); lane D corresponds to 30 ng recombinant MoPrP.

PRODUCT INFORMATION

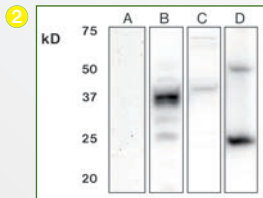
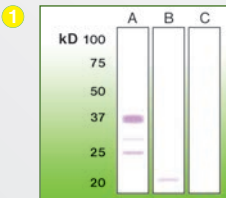
Clone: C16-S
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of third alpha-helical domain of human Prion protein. Antibody recognizes the epitope located between Cys214 - Gly229.

CAT# DB 081 DB 081-0.05 (50 µl)
 DB 081-0.1 (100 µl)

Specificity: Human, ovine, bovine, mouse
Protein accession number: Human: P04156;
 Ovine: P23907; Bovine: P10279; Mouse: P04925
Application: Western blot, Immunoprecipitation, ELISA

PUBLICATIONS: Y. Taguchi et al (2013) PLoS Pathog 9

The epitope recognized by this monospecific antibody is placed at the end of third alpha-helical domain of human Prion protein. Antibody recognizes predominantly the PrP^C molecule, with the potential in detection of structurally transformed forms of Prion protein in human, ovine, bovine and mouse biological samples.



Anti - Prion (DB 081)

- Western blot analysis of Prion protein in mouse brain extract (A), HEK293 cells producing recombinant human Prion protein (B), and untransfected HEK 293 cells (C). 200 µg of total protein loaded per well.
- Western blot analysis of Prion protein was performed by Drs. Valeriy Ostapchenko and Marco Prado, Robarts Research Institute, Western University, London, Ontario, Canada. Lanes A-C represent extracts (30 µg of total protein per lane) of PrP-KO CF-10 cells (A), mouse hippocampus (B) and HEK293 cells, transfected with mouse Prion protein bearing 3F4 epitope (C); lane D corresponds to 30 ng recombinant MoPrP.

Anti - S-100

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: Q17-N

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human S100-A1 protein. Antibody recognizes the epitope between Lys50 - Leu62.

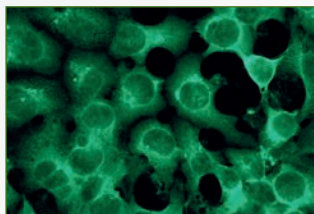
CAT# DB 232

DB 232-0.05 (50 µl)
DB 232-0.1 (100 µl)

Protein accession number: P23297

Application: Immunocytochemistry

S-100 is a low molecular weight protein expressed in glial cells, chondrocytes, macrophages, Langerhans cells, dendritic cells, adipocytes, keratinocytes and breast epithelial cells. S-100 is involved in regulation of protein phosphorylation, calcium homeostasis, cell differentiation, and inflammatory response. In clinical diagnostics, S-100 protein expression is used as a marker of peripheral nerve tumors, astrocytomas, melanomas and clear cell sarcomas.



Representative picture of S-100 expression in HEK293 cells, visualized with clonal rabbit anti-S-100 monospecific antibody. Primary antibody dilution - 1:200.

Anti - Trypsin

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR WB AND ICC

PRODUCT INFORMATION

Clone: A16-N

Specificity: Human

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human Trypsin. Antibody recognizes the epitope located between Lys92 - Ans106.

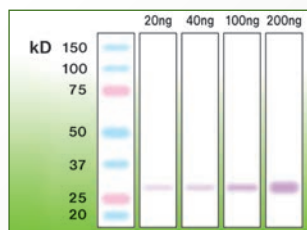
CAT# DB 022

DB 022-0.05 (50 µl)
DB 022-0.1 (100 µl)

Protein accession number: P07477

Application: Western blot, ELISA

Clonal antibody mapping the N-terminal sequence of human pancreatic cationic trypsin.



Anti - Trypsin (DB 022)

Western blot of human trypsin (Acris Antibodies GmbH; Trypsin-human pancreas; product number: BA630).

ANTIBODIES FOR WB AND ICC

Anti - Trypsin

RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

CAT# DB 023

DB 023-0.05 (50 µl)
DB 023-0.1 (100 µl)

Clone: G15-J

Specificity: Human

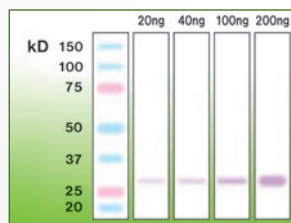
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from internal sequence of human Trypsin. Antibody recognizes the epitope located between Thr147 - Gln159.

Protein accession number: P07477

Application: Western blot, Immunoprecipitation, ELISA

Clonal antibody recognizing the epitope within the internal domain of human pancreatic cationic trypsin.



Anti - Trypsin (DB 023)

Western blot of human trypsin (Acris Antibodies GmbH; Trypsin-human pancreas; product number: BA630).

ANTIBODIES FOR WB AND ICC

Anti - TTF-1

RABBIT CLONAL ANTIBODY

PRODUCT INFORMATION

CAT# DB 088

DB 088-0.05 (50 µl)
DB 088-0.1 (100 µl)

Clone: A22-A

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

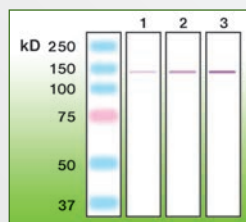
Immunogen: Peptide derived from N-terminal sequence of human TTF-1. Antibody recognizes the epitope located between Ala40 - Gln55.

Protein accession number: Human: P43699;

Mouse: P50220; Rat: P23441

Application: Western blot, Immunoprecipitation, ELISA

Antibody detects the N-terminal epitope of human, mouse and rat TTF-1. This protein marker is a tissue-specific transcription factor expressed predominantly in epithelial cells of thyroid and lungs, including the carcinomas arising from these tissues.



Anti - TTF-1 (DB 088)

Western blot of TTF-1: lane 1 - 5 µl; lane 2 - 15 µl of transient overexpression cell lysate (1 µg/µl of total crude protein) of recombinant human TTF-1 (Novus Biologicals, H00007080-T01).

Products available

ON SPECIAL REQUEST

ANTIBODIES
FOR **WB** AND **ICC**

NAME	CATALOG NUMBER	CLONE
Anti-Interferon- γ	DB 004	K14-B
Anti-proGRP	DB 020	A17-N
Anti-proGRP	DB 021	S15-E

More Than Antibodies OF BIOTECH

ANTIBODIES
FOR **FC**

More Than Antibodies

OF BIOTECH

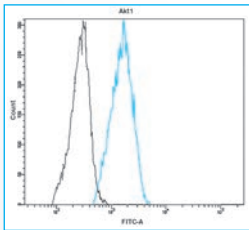
PRODUCT INFORMATION

CAT# DB 1092 (100 tests)

Clone: V19-T
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human Akt1.

Preparation:
 The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Akt1 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis.



Profile of Akt1 expression in human blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of patient with chronic lymphocytic leukemia were fixed, permeabilized and stained with anti-human Akt1 FITC (blue, used 10 µl per test) or with an isotype control (black).

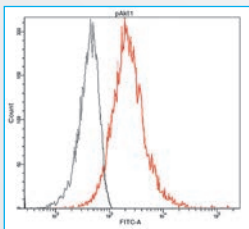
PRODUCT INFORMATION

CAT# DB 1093 (100 tests)

Clone: D17-G
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide surrounding pSer-473 at the C-terminal sequence of human Akt1.

Preparation:
 The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Akt1 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis. Ser-473 phosphorylation enhances the kinase activity, resulting in phosphorylation of multiple protein substrates of Akt1, regulating important signaling pathways in target cells.



Profile of pSer473-Akt1 expression in human blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of patient with myeloma were fixed, permeabilized and stained with anti-human Akt1-pSer473 FITC (red, used 10 µl per test) or with an isotype control (black).

Anti – Akt2 FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

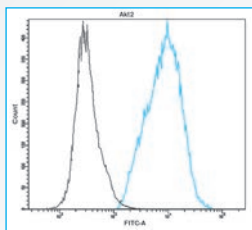
PRODUCT INFORMATION

Clone: Y14-H
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human Akt2.

CAT# DB 1034 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Akt2 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis.



Profile of Akt2 expression in human Hek293 cell line transfected with Akt2, analyzed by the BD FACSCanto II.

Akt2 transfected Hek293 cells were fixed, permeabilized and stained with anti-human Akt2 FITC (blue, used 10 μ l per test) or with an isotype control (black).

Anti – Akt2 (pSer478) FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

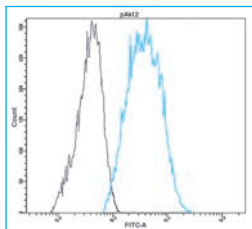
PRODUCT INFORMATION

Clone: S7-R
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide surrounding pSer-478 at the C-terminal sequence of human Akt2.

CAT# DB 1035 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Akt2 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis. Serine-478 phosphorylation of Akt2 may alternate the kinase activity, mainly its activation through phosphorylation of Ser-474.



Profile of pSer478-Akt2 expression in human blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells from healthy patient were fixed, permeabilized and stained with anti-human Akt2-pSer478 FITC (blue, used 10 μ l per test) or with an isotype control (black).

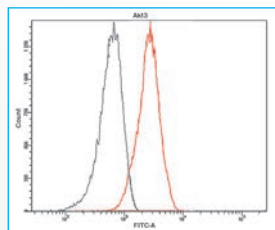
PRODUCT INFORMATION

CAT# DB 1043 (100 tests)

Clone: K17-H
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human Akt3.

Preparation:
 The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Akt3 serine/threonine protein kinase is one of three closely related protein kinases (Akt 1-3), involved in regulation of multiple physiological processes, including growth, metabolism, cell survival and angiogenesis.



Profile of Akt3 expression in human blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of patient with chronic lymphocytic leukemia were fixed, permeabilized and stained with anti-human Akt3 FITC (red, used 10 µl per test) or with an isotype control (black).

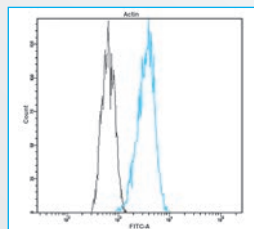
PRODUCT INFORMATION

CAT# DB 1013 (100 tests)

Clone: Q20-K
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human β-actin.

Preparation:
 The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

This antibody detects alpha and beta actin in cells. Its abnormal expression was detected in lymphocytes of Alzheimer's disease and Down's syndrome patients. Generally, actin represents one of the major proteins expressed in human lymphocytes.



Profile of Actin expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human Actin FITC (blue, 10 µl per test) or with an isotype control (black).

Anti – Bax FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

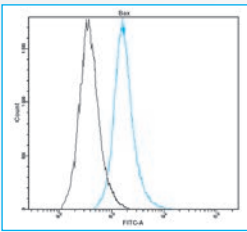
PRODUCT INFORMATION

Clone: T22-A
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human Bax.

CAT# DB 1010 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Bax expression, mostly associated with promotion of apoptosis, has been extensively studied in connection with cancer cell responses to chemotherapeutic drugs.



Profile of Bax expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human Bax FITC (blue, 10 μ l per test) or with an isotype control (black).

Anti – Bcl-2 FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

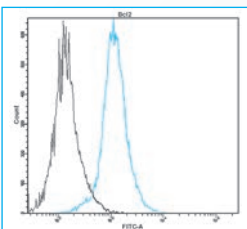
PRODUCT INFORMATION

Clone: P21-P
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human Bcl-2.

CAT# DB 1011 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Bcl-2 blocks apoptotic cell death by controlling mitochondrial membrane permeability. The Bcl-2 protein has been implicated in myelomas, chronic lymphocytic leukemia and many other types of cancer.



Profile of Bcl-2 expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human Bcl-2 FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1046

(100 tests)

Clone: K21-F

Reactivity: Human

Isotype: Rabbit IgG

Expiration: 24 months from the shipping date

Immunogen: Peptide derived from the sequence surrounding Glu-600 mutation of human Braf.

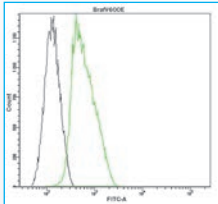
Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions.

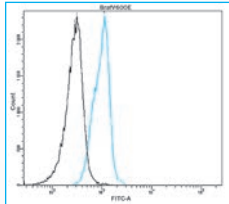
The solution is free of unconjugated FITC and unconjugated antibody.

B-raf proto-oncogene belongs to a large group of serine/threonine kinases of RAF family, involved in the transduction of mitogenic signals from the cell membrane to the nucleus. This protein kinase is frequently mutated in thyroid cancer and human melanomas. Less frequently in others types of malignant tissues, including colorectal cancers, lung cancers and gliomas. Ninety percent of B-raf mutations are represented by B-raf V600-E mutation, presented by up to 500-fold increased activation in MEK/ERK signaling in tumor cells.

A. HT29 cell line



B. Lymphocytes of CLL patient



Profile of B-raf, V600-E expression in human HT29 cell line (A.), and in human peripheral blood lymphocytes of patient with chronic lymphocytic leukemia (B.) analyzed by the BD FACSCanto II.

HT29 cells and blood cells were fixed, permeabilized and stained with anti-human B-raf, V600-E FITC (green or blue; used 10 µl for HT29 and 4 µl for lymphocytes per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1017

(100 tests)

Clone: H22-E

Reactivity: Human

Isotype: Rabbit IgG

Expiration: 24 months from the shipping date

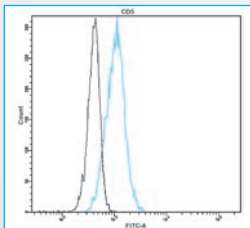
Immunogen: Peptide derived from C-terminal sequence of human CD5 (intracellular domain).

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions.

The solution is free of unconjugated FITC and unconjugated antibody.

Transmembrane protein marker of lymphomas expressed on B and T cells. CD5 is a phenotypic marker of B cell lymphoproliferative diseases. CD5 positive B cell population is present in several autoimmune disorders, including diabetes mellitus (insulin-dependent), rheumatoid arthritis, or Sjögren syndrome. Expression of CD5 regulates the responsiveness of human T cell to interleukin-1. B cell lymphomas are relevant for CD5 antigen detection in related malignancies.



Profile of CD5 expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human CD5 FITC (blue, 10 µl per test) or with an isotype control (black).

Anti – CD8 FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

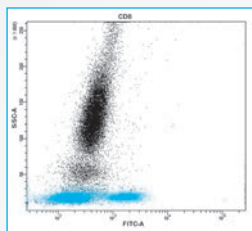
PRODUCT INFORMATION

Clone: N21-G
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human CD8 (extracellular domain).

CAT# DB 1021 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

The CD8 antigen is a transmembrane glycoprotein found on most cytotoxic T-lymphocytes that mediates efficient cell-cell interaction within the immune system. CD8 serves as co-receptor for the T-cell receptor. A primary function of CD8 is to facilitate antigen recognition by the TCR and to strengthen the avidity of the TCR-antigen interaction.



Profile of CD8 expression in human peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy control were stained with anti-human CD8 FITC (blue; used 10 µl per test).

Anti – CD10 FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

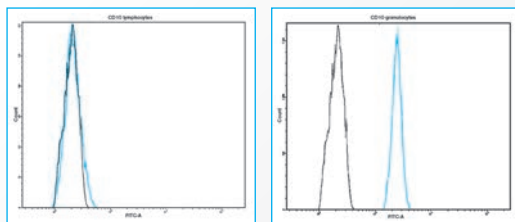
PRODUCT INFORMATION

Clone: K16-P
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human CD10 (intracellular domain).

CAT# DB 1018 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Common acute lymphoblastic leukemia antigen (CALLA; CD10) is a useful marker for the characterization of childhood leukemia and B-cell lymphomas. This antibody reacts with antigen of lymphoblastic, Burkitt and follicular lymphomas as well as chronic myelocytic leukemia. Also, anti-CD10 detects the antigen of glomerular epithelial cells and the brush border of the proximal tubules.



Profile of CD10 expression in normal human peripheral blood analyzed by the BD FACSCanto II.

Blood cells of healthy donor were fixed, permeabilized and stained with anti-human CD10 FITC (blue, 10 µl per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1016

(100 tests)

Clone: S25-H

Reactivity: Human

Isotype: Rabbit IgG

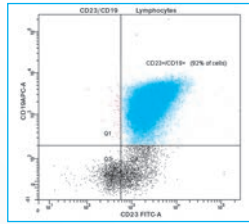
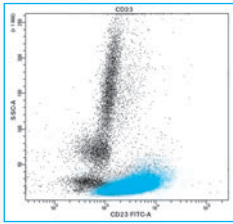
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human CD23 (extracellular domain).

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

CD23, also known as IgE Fc receptor, Leu-20, low affinity IgE receptor, or Blast 2 protein, is a member of the Ig family, expressed in most mature B-cells. In chronic lymphocytic leukemia, the expression of CD23 in B-cells is highly elevated and serves as a significant prognostic marker of the disease.



Profile of CD23 expression in human B-CLL peripheral blood cells analyzed by the BD FACSCanto II. Blood cells of patient with B-CLL (B-cell chronic lymphocytic leukemia) were stained with anti-human CD23 FITC (blue, 10 μ l per test) and with anti-human CD19 APC.

PRODUCT INFORMATION

CAT# DB 1045

(100 tests)

Clone: H15-S

Reactivity: Human, mouse, rat

Isotype: Rabbit IgG

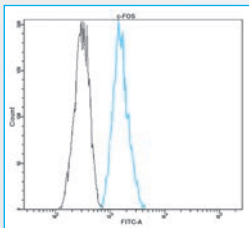
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human c-FOS.

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

c-FOS proto-oncogenic transcription factor is associated with the regulation of cell proliferation, differentiation, and transformation. c-FOS expression is also associated with regulation of apoptotic cell death. Its expression increases upon several known stimuli, including growth factors, neurotransmitters, hormones, stress and cell injury. Overexpression of c-FOS has been found in a variety of cancers.



Profile of c-FOS expression in human peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human c-FOS FITC (blue; used 10 μ l per test) or with an isotype control (black).

Anti – CREB FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

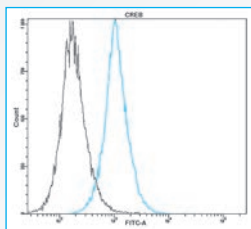
PRODUCT INFORMATION

Clone: A17-A
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human CREB.

CAT# DB 1036 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Cyclic AMP response element-binding protein (CREB) cellular transcription factor activates the target genes through cAMP response elements. CREB plays an important role in regulation of signaling pathways in nervous system. It promotes neuronal cell survival, neurite outgrowth, and neuronal differentiation.



Profile of CREB expression in human IMR32 cell line analyzed by the BD FACSCanto II.

IMR32 cells were fixed, permeabilized and stained with anti-human CREB FITC (blue; used 10 μ l per test) or with an isotype control (black).

Anti – Cyclin D1 FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

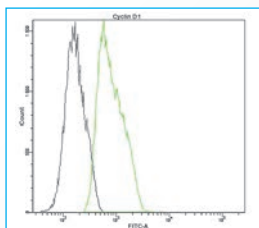
PRODUCT INFORMATION

Clone: E20-D
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human cyclin D1.

CAT# DB 1014 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Cyclin D1 is a putative proto-oncogene overexpressed in a wide variety of human neoplasms.



Profile of Cyclin D1 expression in human HT29 cell line analyzed by the BD FACSCanto II.

HT29 cells were fixed, permeabilized and stained with anti-human Cyclin D1 FITC (green, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1008

(100 tests)

Clone: N25-P

Reactivity: Human

Isotype: Rabbit IgG

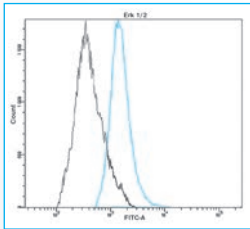
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human Erk2.

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Clonal antibody representing both, Erk1 and Erk2, recognizes the unique conserved epitope for both kinases. Erk1,2 belongs to a family of serine/threonine protein kinases known as mitogen-activated protein kinases (MAPKs), involved in many cellular regulatory events such as proliferation, differentiation and cell survival.



Profile of Erk 1,2 expression in human Hek 293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-Erk 1,2 FITC (blue, 10 µl per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1015

(100 tests)

Clone: H17-A

Reactivity: Human

Isotype: Rabbit IgG

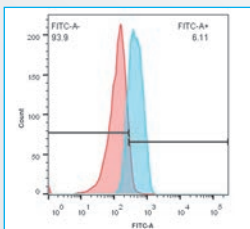
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human estrogen receptor.

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Lymphocytes express nuclear as well as membrane estrogen receptors. Alteration in estrogen receptor expression was observed in various types of leukemia and other types of cancer.



Profile of Estrogen Receptor expression in MCF-7 cell line.

MCF-7 cells were fixed, permeabilized and stained with anti-human ER FITC (blue, 10 µl per test) or with an isotype control (red).

Anti – Nephrin FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

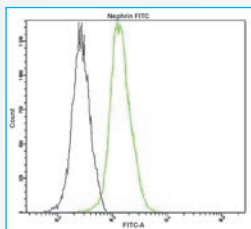
PRODUCT INFORMATION

Clone: D13-E
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from the C-terminal sequence of fifth Ig-like domain of human Nephrin.

CAT# DB 1094 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Nephrin is a transmembrane Ig-like protein, essential for maintaining normal glomerular permeability in kidneys. This cell adhesion molecule is involved in multiple pathological cellular events, based on several identified mutation of the Nephrin gene, including nephrotic syndrome or acquired proteinuric kidney disease.



Profile of Nephrin expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human Nephrin FITC (green, used 10 μ l per test) or with an isotype control (black).

Anti – p38- α FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

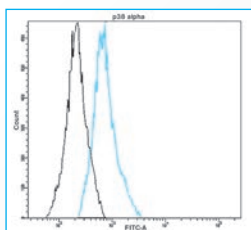
PRODUCT INFORMATION

Clone: I15-E
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human p38- α .

CAT# DB 1039 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

p38- α mitogen-activated protein kinase (MAPK14, SAPK2A), is ubiquitously expressed protein kinase which plays an important role in multiple cellular events, including cellular responses to stress, control of cell proliferation and cell survival.



Profile of p38- α expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human p38- α FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1040

(100 tests)

Clone: P12-E

Reactivity: Human

Isotype: Rabbit IgG

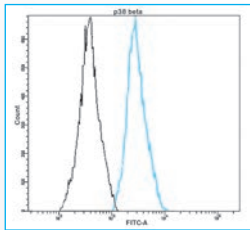
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human p38- β .

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

p38- β mitogen-activated protein kinase (MAPK11, SAPK2B), is ubiquitous mitogen-activated protein kinase, activated by proinflammatory cytokines and environmental stress. Its activation is regulated by phosphorylation via MAP kinase kinases (MKKs), mostly MKK6.



Profile of p38- β expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human p38- β FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1041

(100 tests)

Clone: Q11-T

Reactivity: Human

Isotype: Rabbit IgG

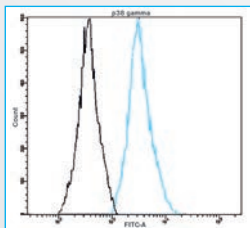
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human p38- γ .

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

p38- γ mitogen-activated protein kinase (MAPK12, SAPK3) plays an important role in differentiation of myoblasts and down regulation of cyclin D1 response to hypoxia in adrenal cells. Thus, MAPK12 is considered to inhibit cell proliferation while promoting cell differentiation.



Profile of p38- γ expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human p38- γ FITC (blue, 10 μ l per test) or with an isotype control (black).

Anti – p38- δ FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
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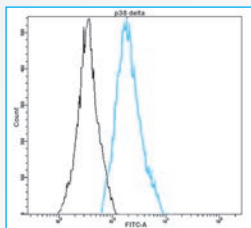
PRODUCT INFORMATION

Clone: R12-L
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human p38- δ .

CAT# DB 1042 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

p38- δ mitogen-activated protein kinase (MAPK13, SAPK4) is associated with regulation of protein translation by EEF2K phosphorylation. This kinase is involved also in cytoskeletal remodeling, regulation of epidermal keratinocytes differentiation, apoptosis and development of melanoma. MAPK13 plays also a role in regulation of insulin secretion in pancreatic beta cells.



Profile of p38- δ expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human p38- δ FITC (blue, 10 μ l per test) or with an isotype control (black).

Anti – p40 FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

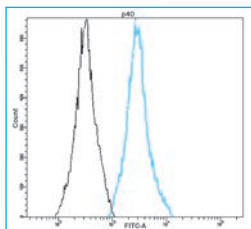
PRODUCT INFORMATION

Clone: L14-A
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human p40.

CAT# DB 1059 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

p40 is a Rab9-interacting protein, a GTP-ase localized on the endosomes, facilitating late endosome-to-Golgi transport of MPR.



Profile of p40 expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human p40 FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1012

(100 tests)

Clone: H21-E

Reactivity: Human

Isotype: Rabbit IgG

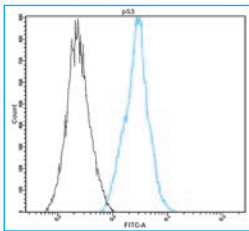
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from N-terminal sequence of human p53.

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

p53 is a tumor suppressor molecule. General marker of cell proliferation, where it's enhanced expression is in most cases related to cancer. p53 is frequently detected in chronic lymphocytic leukemia.



Profile of p53 expression in human IMR32 cell line analyzed by the BD FACSCanto II.

IMR32 cells were fixed, permeabilized and stained with anti-human p53 FITC (blue, 10 µl per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1061

(100 tests)

Clone: I15-P

Reactivity: Human

Isotype: Rabbit IgG

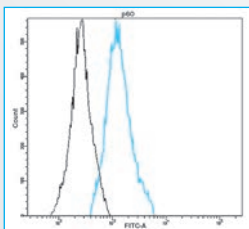
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human p60.

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

p60 (chromatin assembly factor 1, CAF-1) is the 60 kDa subunit of CAF-1 trimeric factor, which is required for the proper nucleosome assembly and proliferating cell viability. In cancer, CAF-1 is considered to be a proliferation marker of a variety of tumors.



Profile of p60 expression in human Hek293 cell line analyzed by the BD FACSCanto II.

Hek293 cells were fixed, permeabilized and stained with anti-human p60 FITC (blue, 10 µl per test) or with an isotype control (black).

Anti - PKC- α FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

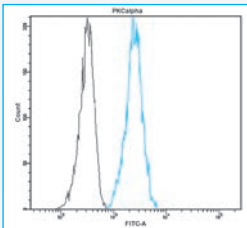
PRODUCT INFORMATION

Clone: D22-G
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human PKC- α .

CAT# DB 1001 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Conventional PKC isoform which serves as an important regulator of multiple signaling pathways in cells, including cancer and diabetes. Its activity in different sub-cellular compartments of living cells may be quantified by using a specific antibody recognizing strictly this isoform. Clonal PKC- α antibody is mapping unique and well conserved epitope of this PKC isoform.



Profile of PKC- α expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human PKC- α FITC (blue, 10 μ l per test) or with an isotype control (black).

Anti - PKC- β FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

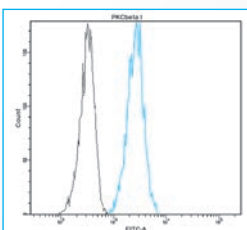
PRODUCT INFORMATION

Clone: N20-N
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human PKC- β .

CAT# DB 1002 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Clonal antibody mapping strictly a major C-terminal epitope of this PKC isoform, playing an important regulatory role in T-cell migration.



Profile of PKC- β expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy control were fixed, permeabilized and stained with anti-human PKC- β FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1003

(100 tests)

Clone: Q19-V

Reactivity: Human

Isotype: Rabbit IgG

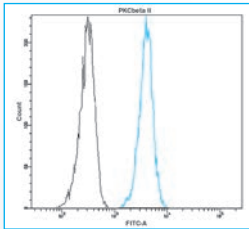
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human PKC- β II.

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

A high homology with PKC- β I due to a single gene splicing gives a very limited possibility for a specific antibody design. In-vitro cloning technology is introducing a homogenous fraction of IgGs, recognizing PKC- β II specifically also in the blood cells.



Profile of PKC- β II expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human PKC- β II FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1004

(100 tests)

Clone: K21-L

Reactivity: Human

Isotype: Rabbit IgG

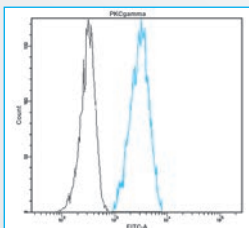
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from C-terminal sequence of human PKC- γ .

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

This conventional PKC isoform is expressed normally in peripheral blood lymphocytes. Expression of PKC- γ alternates in T lymphocytes during the progression of various types of cancer.



Profile of PKC- γ expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human PKC- γ FITC (blue, 10 μ l per test) or with an isotype control (black).

Anti - PKC- δ FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

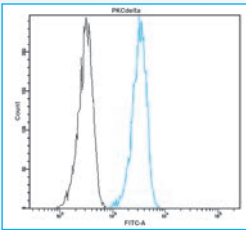
PRODUCT INFORMATION

Clone: R20-F
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human PKC- δ .

CAT# DB 1005 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

PKC- δ is detected also in activated B lymphocytes. Its expression alternates in chronic lymphocytic leukemia cells, where it is associated with tumor suppression and tumor proliferation.



Profile of PKC- δ expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human PKC- δ FITC (blue, 10 μ l per test) or with an isotype control (black).

Anti - PKC- ϵ FITC

RABBIT CLONAL ANTIBODY

ANTIBODIES
FOR FC

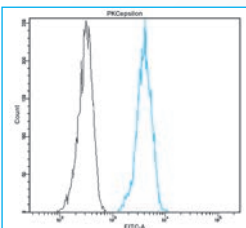
PRODUCT INFORMATION

Clone: I27-K
Reactivity: Human
Isotype: Rabbit IgG
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from N-terminal sequence of human PKC- ϵ .

CAT# DB 1006 (100 tests)

Preparation:
The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

This PKC isoform is highly expressed in T lymphocytes. PKC- ϵ controls cell proliferation of CD4 positive T cells. It plays a critical role in B cells in chronic lymphocytic leukemia.



Profile of PKC- ϵ expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy were fixed, permeabilized and stained with anti-human PKC- ϵ FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1007

(100 tests)

Clone: S19-V

Reactivity: Human

Isotype: Rabbit IgG

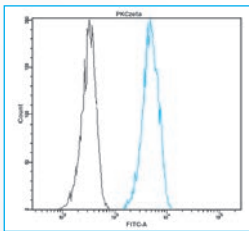
Expiration: 24 months from the shipping date

Immunogen: Peptide derived from internal sequence of human PKC- ζ .

Preparation:

The antibody was prepared by in vitro cloning technology, and the monospecific product was conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Higher expression of this PKC isoform is detected in immature CD34+ enriched cells and in leukemic pre-B acute lymphocytic leukemia G2 cells.



Profile of PKC- ζ expression in peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Blood cells of healthy patient were fixed, permeabilized and stained with anti-human PKC- ζ FITC (blue, 10 μ l per test) or with an isotype control (black).

PRODUCT INFORMATION

CAT# DB 1000

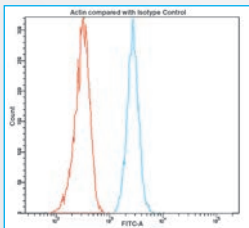
(100 tests)

Reactivity: Isotype control

Isotype: Rabbit IgG

Expiration: 24 months from the shipping date

Preparation: The pure fraction of rabbit IgGs was isolated from rabbit serum prior to immunization. The rabbit IgGs were conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.



Profile of peripheral blood lymphocytes analyzed by the BD FACSCanto II.

Flow cytometric analysis of human lymphocytes, using DB 1013 Actin FITC (blue; 10 μ l per test) compared to Rabbit IgG-FITC isotype control (red).