

Mouse anti-Human KRT18 Monoclonal Antibody | anti-KRT18 antibody

KRT18 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48073	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

KRT18; Monoclonal Antibody; KRT18 antibody; Cell proliferation inducing gene 46 protein; Cell proliferation inducing protein 46; CK 18; CYK18; Cytokeratin 18; Cytokeratin endo B; K18; Keratin 18; Keratin D; Keratin type I cytoskeletal 18; Kerd; anti-KRT18 antibody

PRODUCT SPECIFICATIONS

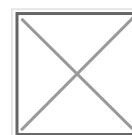
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT2G3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	430
Applicable Applications for anti-KRT18 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human KRT18 (79-430aa) purified from E. coli
Clone Note	Anti-human KRT18 mAb, clone AT2G3, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human KRT18 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of HeLa cells stained with Hoechst 3342 (Blue) for nucleus staining and monoclonal anti-human KRT18 antibody (1:500) with Texas Red (Red). ICC/IF analysis of KRT18 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human KRT18 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



IHC (Immunohistochemistry)

Paraffin embedded sections of colorectal cancer tissue were incubated with anti-human KRT18 antibody (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



WB (Western Blot)

The Cell lysates of HeLa and AGS (35ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT18 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT18 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: A549 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-KRT18 antibody	Keratins (cytokeratins) are intermediate filament proteins that are mainly expressed in epithelial cells. Keratin heterodimers composed of an acidic keratin (or type I keratin, keratins 9 to 23) and a basic keratin (or type II keratin, keratins 1 to 8) assemble to form filaments. Keratin isoforms demonstrate tissue- and differentiation-specific profiles that make them useful as biomarkers. Mutations in keratin genes are associated with skin disorders, liver and pancreatic diseases, and inflammatory intestinal diseases.
Product Categories/Family for anti-KRT18 antibody	Cytoskeleton
References	Moll, R, et al., (1988) Am. J. Pathol., 132: 123-44; Schlimok, G, et al., (1988) Arzneimittel-Forschung, 38: 435-7; Debus, E, et al., (1984) Am. J. Pathol., 114: 121-30 (1984)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557888
NCBI GeneID	3875
NCBI Accession #	NP_000215
NCBI GenBank Nucleotide #	NM_000224.2
UniProt Accession #	P05783; Q53G38; Q5U0N8; Q9BW26
Molecular Weight	48,058 Da
NCBI Official Full Name	keratin, type I cytoskeletal 18
NCBI Official Synonym Full Names	keratin 18
NCBI Official Symbol	KRT18
NCBI Official Synonym Symbols	K18; CK-18; CYK18
NCBI Protein Information	keratin, type I cytoskeletal 18
UniProt Protein Name	Keratin, type I cytoskeletal 18
UniProt Gene Name	KRT18
UniProt Synonym Gene Names	CYK18; CK-18; K18

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.