

Mouse anti-Human KRT8 Monoclonal Antibody | anti-KRT8 antibody

KRT8 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48105	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

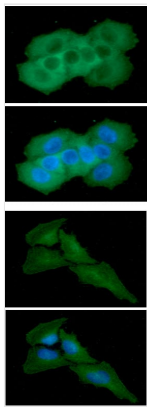
PRODUCT SYNONYMS

KRT8; Monoclonal Antibody; KRT8 antibody; Keratin type II cytoskeletal 8; Keratin; type II cytoskeletal 8; keratin 8; CARD2; CK-8; CK8; CYK8; K2C8; K8; KO; anti-KRT8 antibody

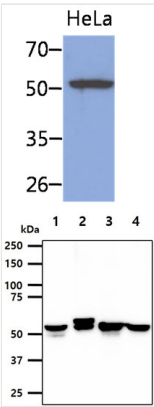
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG3, k
Clone Number	AT3D11
Purity/Purification	By protein-A 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	483
Applicable Applications for anti-KRT8 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human KRT8 (1-483aa) purified from E. coli
Clone Note	Anti-human KRT8 mAb, clone AT3D11, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human KRT8 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)
ICC/IF analysis of KRT8 in MCF7 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human KRT8 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of KRT8 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human KRT8 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT8 antibody (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 KRT8 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: LnCap cell lysate Lane 2.: PC3 cell lysate Lane 3.: MCF7 cell lysate Lane 4.: A549 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-KRT8 antibody	Keratin, type II cytoskeletal 8 also known as cytokeratin-8 (CK-8) or keratin-8 (K8) is a keratin protein that in human is encoded by the KRT8 gene. This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene.
Product Categories/Family for anti-KRT8 antibody	Cytoskeleton
References	Moriya, T., et al. (2006) Med Mol Morphol 39 (1): 8-13; Leitner, A., et al. (2012) Biophys J 103 (2): 195-201

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504919
NCBI GeneID	3856
NCBI Accession #	NP_002264
NCBI GenBank Nucleotide #	NM_002273.3
UniProt Accession #	P05787; Q14099; Q14716; Q14717; Q53GJ0; Q6DHW5; Q6GMY0; Q6P4C7; Q96J60; A8K4H3; B0AZN5; F8VXB4
Molecular Weight	56,608 Da
NCBI Official Full Name	keratin, type II cytoskeletal 8 isoform 2
NCBI Official Synonym Full Names	keratin 8
NCBI Official Symbol	KRT8
NCBI Official Synonym Symbols	K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
NCBI Protein Information	keratin, type II cytoskeletal 8
UniProt Protein Name	Keratin, type II cytoskeletal 8

UniProt Gene Name	KRT8
UniProt Synonym Gene Names	CYK8; CK-8; K8

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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/krt8-antibody-clone-at3d11-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48105>