

Mouse anti-Human KRT23 Monoclonal Antibody | anti-KRT23 antibody

KRT23 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48122	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

KRT23; Monoclonal Antibody; KRT23 antibody; CK-23; CK23; Cytokeratin-23; DKFZP434G032; HAIK1; Cytokeratin 23; MGC26158; K23; K1C23; HAIK 1; Histone deacetylase inducible keratin 23; type I cytoskeletal 23; anti-KRT23 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT2F6
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	422
Applicable Applications for anti-KRT23 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human KRT23 (271-422aa) purified from E. coli
Clone Note	Anti-human KRT23 mAb, clone AT2F6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human KRT23 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 KRT23 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human KRT23 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates of HeLa (30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT23 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT23 antibody	KRT23, also known as cytokeratin 23, is a 422 amino acid intermediate filament protein. The human KRT23 gene is located on chromosome 17q21.2. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. The cytokeratin proteins play a critical role in differentiation, as well as tissue specialization and function, and maintenance of epithelial cells structure. Cytokeratins are described to be differentiation markers in several epithelial cancers.
Product Categories/Family for anti-KRT23 antibody	Cytoskeleton
References	Birkenkamp-Demtroder K., et al. (2007) Mol Oncol 1 (2): 181-195; Zhang J.S., et al. (2001) Genes Chromosomes Cancer 30: 123-135; Schweizer J., et al. (2006) Cell Biol 174: 169-174; Rogers M.A., et al. (2004) Differentiation 72: 527-540

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894339
NCBI GeneID	25984
NCBI Accession #	NP_056330
NCBI GenBank Nucleotide #	NM_015515.4
UniProt Accession #	Q9C075; Q9NUR6; A8K084; B7Z7J2; I3L3Q6
Molecular Weight	33,341 Da
NCBI Official Full Name	keratin, type I cytoskeletal 23 isoform 1
NCBI Official Synonym Full Names	keratin 23
NCBI Official Symbol	KRT23
NCBI Official Synonym Symbols	K23; CK23; HAIK1
NCBI Protein Information	keratin, type I cytoskeletal 23
UniProt Protein Name	Keratin, type I cytoskeletal 23
UniProt Gene Name	KRT23
UniProt Synonym Gene Names	CK-23; K23

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.