

anti-Human Cytokeratin 8 Antibody | anti-KRT8 antibody

Anti-Cytokeratin 8 [TS1]

CATALOG # AAA72374	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, Immunoprecipitation, ELISA
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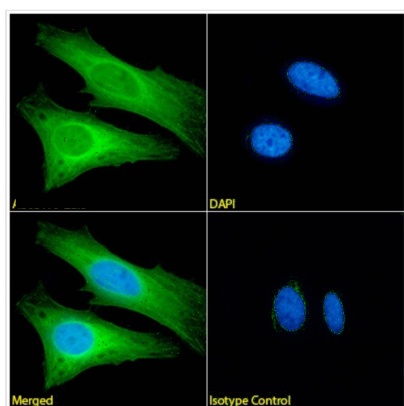
PRODUCT SYNONYMS

Cytokeratin 8; Anti-Cytokeratin 8 [TS1]; CK8; CK-8; CK 8; KRT8; CYK8; Keratin type II cytoskeletal 8; Cytokeratin-8; Type-II keratin Kb8; TS 1; Mab 202; anti-KRT8 antibody

PRODUCT SPECIFICATIONS

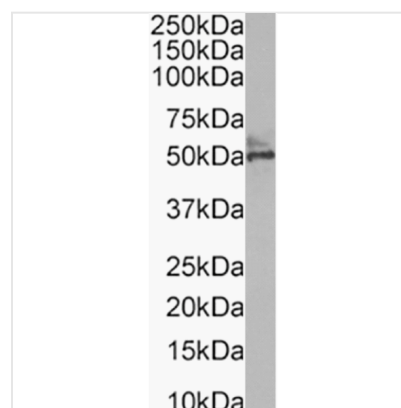
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	TS1
Specificity	This antibody binds a discontinuous epitope on helical 2B domain of the human cytokeratin 8 between amino acid residues 340-365 (QRGELAIKDANAKLSELEAALQRAKQ). Cytokeratins are intermediate filaments found in the intracytoplasmic cytoskeleton of epithelial tissue. Together with KRT19, cytokeratin 8 helps to link the contractile apparatus to dystrophin at the costameres of striated muscle. Cytokeratin 8 is a serological tumor marker
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-KRT8 antibody	IHC (Immunohistochemistry), WB (Western Blot), IP (Immunoprecipitation), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



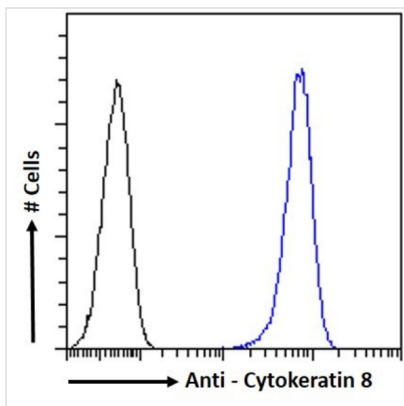
IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with anti-Cytokeratin 8 antibody TS1 . Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of TS1 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom,, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western blot using anti-Cytokeratin 8 antibody TS1 . A431 cells lysate (35ug protein in RIPA buffer) was resolved on an SDS-PAGE gel and blots were probed with the chimeric rabbit version of TS1 at 0.3ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-Cytokeratin 8 antibody TS1 . Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of TS1 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT8 antibody	The original antibody was generated by immunizing BALB/c mice with purified human gastrointestinal tumor derived cytokeratin. Describes the generation and characterization of 10 antibodies against cytokeratin which are expressed on normal and malignant epithelial cells.
Product Categories/Family for anti-KRT8 antibody	muscle ; microfilaments ; keratin ; cancer ; oncology ; tumor marker
References	Sundström et al. J Histochem Cytochem. 1989 Dec;37(12):1845-54.

NCBI AND UNIPROT INFORMATION

NCBI GI #	372466577
NCBI GeneID	3856
NCBI Accession #	NP_001243222.1
NCBI GenBank Nucleotide #	NM_001256293.1
UniProt Accession #	P05787 ; Q14099 ; Q14716 ; Q14717 ; Q53GJ0 ; Q6DHW5 ; Q6GMY0 ; Q6P4C7 ; Q96J60 ; A8K4H3 ; B0AZN5 ; F8VXB4
Molecular Weight	53,704 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; cytokeratin 8; cytokeratin-8; type-II keratin Kb8
UniProt Protein Name	Keratin, type II cytoskeletal 8
UniProt Gene Name	KRT8
UniProt Synonym Gene Names	CYK8; CK-8; K8
UniProt Entry Name	K2C8_HUMAN

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/human-antibody/cytokeratin-8/72374>