

anti-Human Cytokeratin 8 Antibody | anti-KRT8 antibody

Anti-Cytokeratin 8 [TS1]

CATALOG # AAA72375	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, Immunoprecipitation, ELISA
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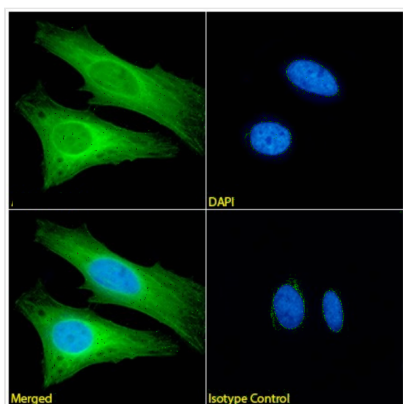
PRODUCT SYNONYMS

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

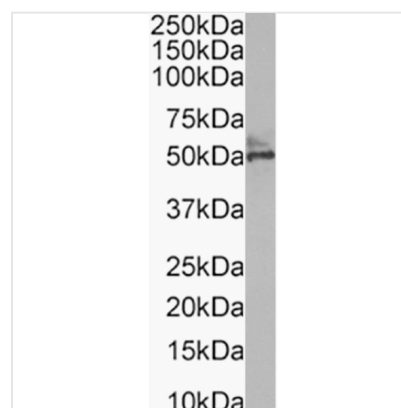
Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	TS1
Specificity	This antibody binds a discontinuous epitope on helical 2B domain of the human cytokeratin 8 between amino acid residues 340-365 (QRGELAIKDANAKLSELEAALQRAKQ). Cytokeratins are intermediate filaments found in the intracytoplasmic cytoskeleton 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



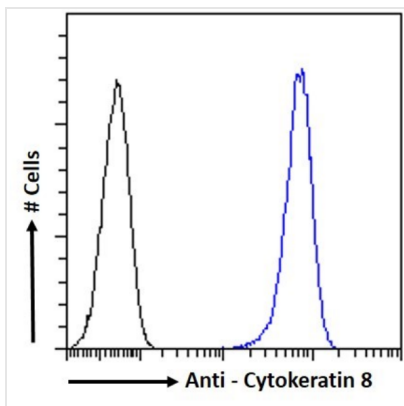
IF (Immunofluorescence)

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 (AAA72375) (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, AAA72375, 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 (AAA72375) 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 (AAA72375, blue line) 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. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
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

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-8/72375>