

Rabbit Keratin 8 Polyclonal Antibody | anti-KRT8 antibody

Keratin 8 Antibody

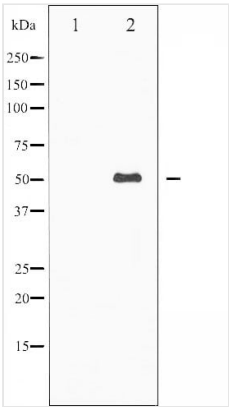
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322182	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Keratin 8; Polyclonal Antibody; Keratin 8 Antibody; CARD2; CK 8; CK-8; CK8; CYK8; CYKER; Cytokeratin endo A; Cytokeratin-8; DreK8; EndoA; K2C8; K2C8_HUMAN; K8; Keratin type II cytoskeletal 8; Keratin; type II cytoskeletal 8; Keratin-8; KO; Krt 2.8; KRT8; MGC118110; MGC174782; MGC53564; MGC85764; sb:cb186; Type-II keratin Kb8; anti-KRT8 antibody

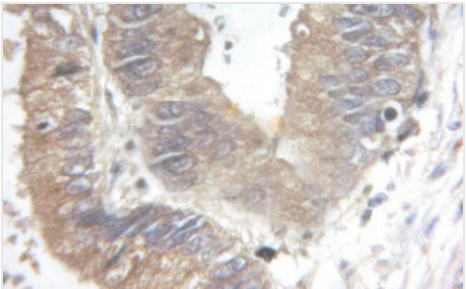
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Keratin 8 antibody detects endogenous levels of total Keratin 8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	483
Applicable Applications for anti-KRT8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Keratin 8
Subcellular Location	Cytoplasm. Nucleus, Nucleoplasm. Nucleus Matrix.
Tissue Specificity	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



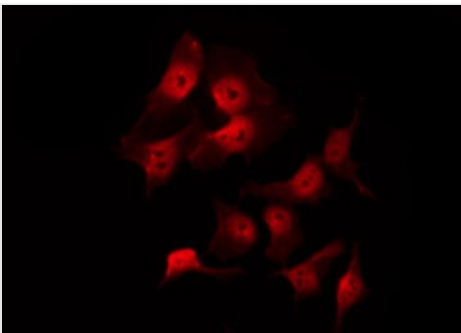
WB (Western Blot)

Western blot analysis of Keratin 8 expression in EGF treated 293 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



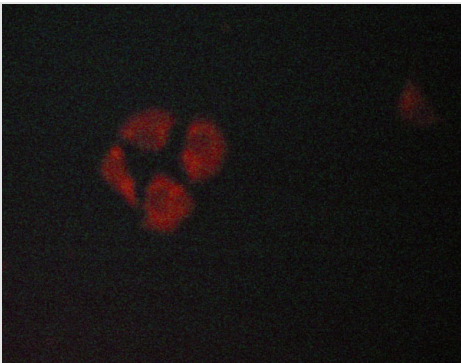
IHC (Immunohiostchemistry)

AAA322182 at 1/3000 dilution staining Keratin 8 in human breast carcinoma by Immunohistochemistry using paraffin-embedded tissue



IF (Immunofluorescence)

AAA322182 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IF (Immunofluorescence)

AAA322182 staining HeLa cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT8 antibody

Description: K8 a type II cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins.

Function: Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

Subunit Structure: Heterotetramer of two type I and two type II keratins. KRT8 associates with KRT18. Associates with KRT20. Interacts with HCV core protein and PNN. When associated with KRT19, interacts with DMD. Interacts with TCHP. Interacts with APEX1. Interacts with GPER1. Interacts with EPPK1 (By similarity).

Post-translational Modifications: Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization. O-glycosylated. O-GlcNAcylation at multiple sites increases solubility, and decreases stability by inducing proteasomal degradation. O-glycosylated (O-GlcNAcyated), in a cell cycle-dependent manner.

Similarity: Belongs to the intermediate filament family.

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	Observed: 53 kDa Predicted: 54 kDa
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://stage.aaabiotech.com/polyclonal/keratin-8-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322182>