

Rabbit anti-Human KRT12 Polyclonal Antibody | anti-KRT12 antibody

KRT12 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285084	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

KRT12; Polyclonal Antibody; KRT12 Antibody (C-term); Keratin; type I cytoskeletal 12; Cytokeratin-12; CK-12; Keratin-12; K12; anti-KRT12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KRT12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 442-471 amino acids from the C-terminal region of human KRT12.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	442-471
Sequence Length	494
Applicable Applications for anti-KRT12 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

KRT12 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

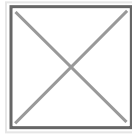
KRT12 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of KRT12 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

**WB (Western Blot)**

KRT12 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the KRT12 antibody detected the KRT12 protein (arrow).

**WB (Western Blot)**

Anti-KRT12 Antibody (C-term) at 1:500 dilution + Y79 whole cell lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

**WB (Western Blot)**

Anti-KRT12 Antibody (C-term) at 1:2000 dilution + mouse eyeball lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT12 antibody	KRT12 encodes the type I intermediate filament chain keratin 12, expressed in corneal epithelia. Mutations in this gene lead to Meesmann corneal dystrophy.
Product Categories/Family for anti-KRT12 antibody	Neuroscience ; Signal Transduction
References	Clausen, I., et al. Mol. Vis. 16, 954-960 (2010) : Seto, T., et al. Jpn. J. Ophthalmol. 52(3):224-226(2008) Nielsen, K., et al. Cornea 27(1):100-102(2008) Sullivan, L.S., et al. Mol. Vis. 13, 975-980 (2007) : Schweizer, J., et al. J. Cell Biol. 174(2):169-174(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557699
NCBI GeneID	3859
NCBI Accession #	NP_000214.1
NCBI GenBank Nucleotide #	NM_000223.3
UniProt Accession #	Q99456 ; B2R9E0
Molecular Weight	53511
NCBI Official Full Name	keratin, type I cytoskeletal 12
NCBI Official Synonym Full Names	keratin 12, type I
NCBI Official Symbol	KRT12
NCBI Official Synonym Symbols	K12
NCBI Protein Information	keratin, type I cytoskeletal 12
UniProt Protein Name	Keratin, type I cytoskeletal 12
UniProt Gene Name	KRT12
UniProt Synonym Gene Names	CK-12; K12
UniProt Entry Name	K1C12_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://stage.aaabiotech.com/polyclonal/krt12-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285084>