

Rabbit Keratin 19 Polyclonal Antibody | anti-KRT19 antibody

Keratin 19 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320837	Rabbit	Human, Mouse, Rat	Immunohistochemistry, ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

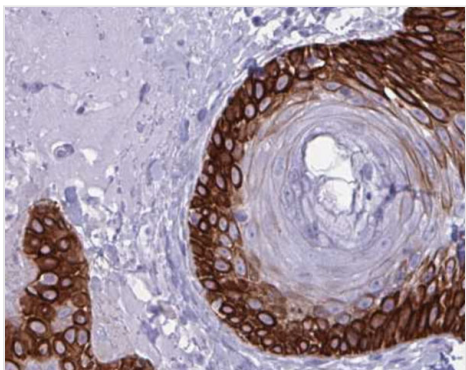
PRODUCT SYNONYMS

Keratin 19; Polyclonal Antibody; Keratin 19 Antibody; 40 kDa keratin intermediate filament; CK 19; CK-19; CK19; Cytokeratin 19; Cytokeratin-19; K19; K1C19_HUMAN; K1CS; Keratin type I 40 kD; Keratin type I 40kD; Keratin type I cytoskeletal 19; Keratin; type I cytoskeletal 19; type I; 40 kd; Keratin-19; KRT19; MGC15366; anti-KRT19 antibody

PRODUCT SPECIFICATIONS

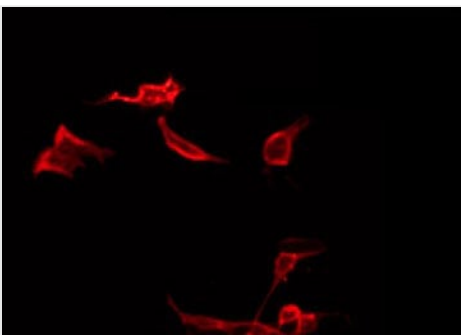
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Keratin 19 antibody detects endogenous levels of total Keratin 19
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	400
Applicable Applications for anti-KRT19 antibody	IHC (Immunohistochemistry), ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Keratin 19
Tissue Specificity	Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



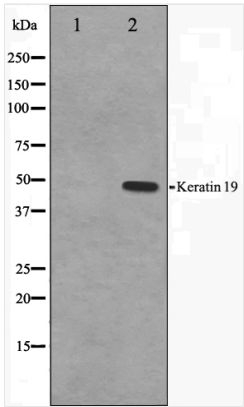
IHC (Immunohistochemisry)

AAA320837 at 1/500 staining human colon cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA320837 staining LOVO 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.



WB (Western Blot)

Western blot analysis on LOVO cell lysate using Keratin 19 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT19 antibody	Description: K19 a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Keratin 19 differs from all other IF proteins in lacking the C-terminal tail domain. Function: Involved in the organization of myofibers. Together with KRT8, 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. Interacts with PNN and the actin-binding domain of DMD. Interacts with HCV core protein. Similarity: This keratin differs from all other IF proteins in lacking the C-terminal tail domain. Belongs to the intermediate filament family.
References	Bao J, Wu Q, Wang Y, Li Y, Li L, Chen F, Wu X, Xie M, Bu H; Journal: Int J Mol Med. Enhanced hepatic differentiation of rat bone marrow-derived mesenchymal stem cells in spheroidal aggregate culture on a decellularized liver scaffold. Wu Q, Tang J, Li Y, Li L, Wang Y, Bao J, Bu H; Journal: Mol Med Rep. Hepatic differentiation of mouse bone marrow derived mesenchymal stem cells using a novel 3D culture system.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24234699
NCBI GeneID	3880
NCBI Accession #	NP_002267.2
NCBI GenBank Nucleotide #	NM_002276.4

UniProt Accession #	P08727; Q5XG83; Q6NW33; Q7L5M9; Q96A53; Q96FV1; Q9BYF9; Q9P1Y4; B2R874
Molecular Weight	Observed: 44 kDa Predicted: 45 kDa
NCBI Official Full Name	keratin, type I cytoskeletal 19
NCBI Official Synonym Full Names	keratin 19
NCBI Official Symbol	KRT19
NCBI Official Synonym Symbols	K19; CK19; K1CS
NCBI Protein Information	keratin, type I cytoskeletal 19
UniProt Protein Name	Keratin, type I cytoskeletal 19
UniProt Gene Name	KRT19
UniProt Synonym Gene Names	CK-19; K19

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-19-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320837>