

Mouse KRT19/CK19/Cytokeratin 19 Monoclonal Antibody | anti-KRT19 antibody

KRT19/CK19/Cytokeratin 19 Mouse anti-Human Monoclonal (3F8) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162600	Mouse	Dog, Rat, Human, Monkey	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunofluorescence

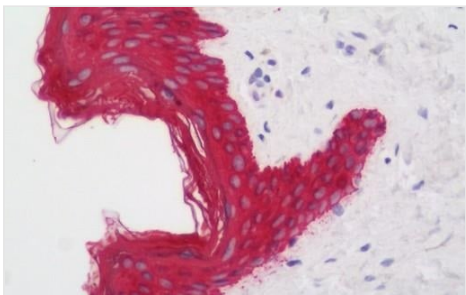
PRODUCT SYNONYMS

KRT19/CK19/Cytokeratin 19; Monoclonal Antibody; KRT19/CK19/Cytokeratin 19 Mouse anti-Human Monoclonal (3F8) Antibody; PathPlus KRT19/CK19/Cytokeratin 19 Antibody (clone 3F8); KRT19; CK19; Cytokeratin 19; Cytokeratin-19; Keratin 19; Keratin-19; CK-19; K19; K1CS; Keratin; type I; 40-kd; anti-KRT19 antibody

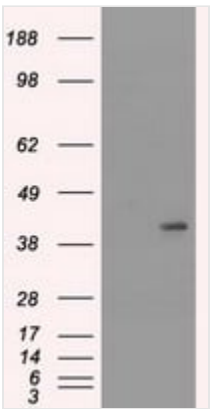
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Dog, Rat, Human, Monkey
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3F8
Specificity	Human CK19/Cytokeratin 19
Purity/Purification	Protein A/G purified
Form/Format	PBS, pH7.3, 0.02% Sodium Azide, 50% Glycerol, 1% BSA
Applicable Applications for anti-KRT19 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Target	Human KRT19/CK19/Cytokeratin 19
Immunogen	Recombinant fragment expressed in E Coli corresponding to amino acids 240-390 of human CK19.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze-thaw cycles.

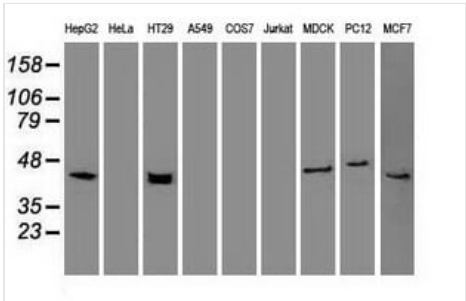
IMAGES



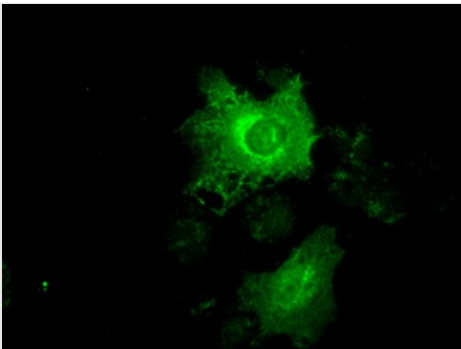
IHC (Immunohistochemistry)
KRT19/CK19/Cytokeratin 19 Antibody-Anti-KRT19/CK19/Cytokeratin 19 antibody IHC staining of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:50.



WB (Western Blot)
KRT19/CK19/Cytokeratin 19 Antibody-HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KRT19 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KRT19.



Application Data
KRT19/CK19/Cytokeratin 19 Antibody-Western blot of extracts (35 ug) from 9 different cell lines by using anti-KRT19 monoclonal antibody.



ICC (Immunocytochemistry)
KRT19/CK19/Cytokeratin 19 Antibody-Anti-KRT19 mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY KRT19.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT19 antibody	Cytokeratin 19 antibody is an unconjugated mouse monoclonal antibody to Cytokeratin 19 (KRT19/CK19) from human. It is reactive with human, rat, dog and other species. Validated for IF, IHC and WB. KRT19 is a type 1 keratin, an intermediate filament that provides structural support and has cell cycle regulatory functions in epithelial cells. KRT19 is a common epithelial marker with cytoplasmic positivity in immunohistochemistry. It is used to identify neoplastic epithelial cells in a number of cancers, including breast carcinomas, thyroid papillary carcinomas, cholangiocarcinomas, endometrial cancers, urothelial and collecting duct renal cancers, Paget's disease, pancreatic cancers, and epithelial odontogenic tumors. Additionally, it is a putative cancer stem cell marker in hepatocellular carcinoma. In normal tissue, KRT19 is positive in epithelia of the breast, GI tract, kidney, bile ducts, pancreatic ducts, salivary and sweat glands, prostate epithelium, placental trophoblasts, uterus, and tonsillar squamous epithelium.
References	Clin Cancer Res. 2015 Jul 1;21(13):3081-91, PMID: 25820415; Int J Mol Sci. 2018 May; 19(5): 1423, PMID: 29747452; Cancers (Basel). 2019 Jan; 11(1): 99, PMID: 30650643

NCBI AND UNIPROT INFORMATION

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

UniProt Accession #	P08727; Q5XG83; Q6NW33; Q7L5M9; Q96A53; Q96FV1; Q9BYF9; Q9P1Y4; B2R874
Molecular Weight	44,106 Da
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; CK-19; keratin-19; cytokeratin 19; cytokeratin-19; keratin, type I, 40-kd; 40-kDa keratin intermediate filament
UniProt Protein Name	Keratin, type I cytoskeletal 19
UniProt Gene Name	KRT19
UniProt Synonym Gene Names	CK-19; K19
UniProt Entry Name	K1C19_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/monoclonal/krt19-ck19-cytokeratin-19-antibody-clone-3f8-western-blot-immunohistochemistry-immunohistochemistry-immunofluorescence-elisa/162600>