

**KRT19 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8477b**

**Specification**

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**KRT19 Antibody - Product Information**

Application	IF, WB, IHC, IHC-P,E
Primary Accession	<a href="#">P08727</a>
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Calculated MW	44106

**KRT19 Antibody - Additional Information**

**Gene ID** 3880

**Other Names**

Keratin, type I cytoskeletal 19, Cytokeratin-19, CK-19, Keratin-19, K19, KRT19

**Target/Specificity**

This antibody is generated from a mouse immunized with a recombinant protein of human.

**Dilution**

IF~~1:25

WB~~1:8000

IHC~~1:400

IHC-P~~1:25

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

KRT19 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**KRT19 Antibody - Protein Information**

**Name** KRT19

**Function** Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

### Tissue Location

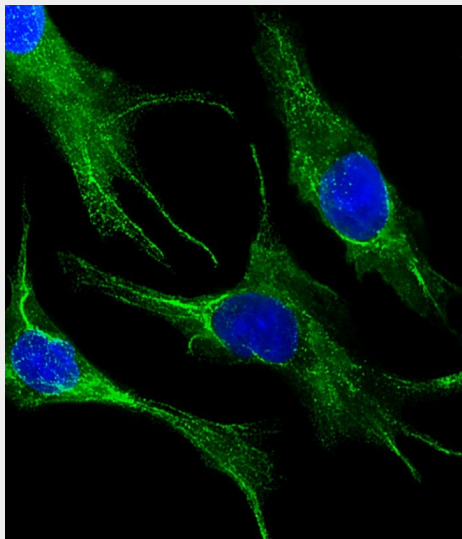
Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). 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.

### KRT19 Antibody - Protocols

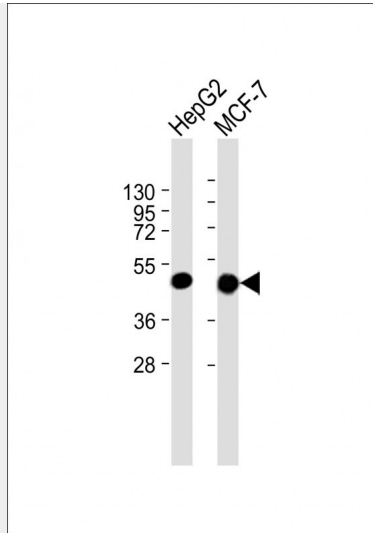
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

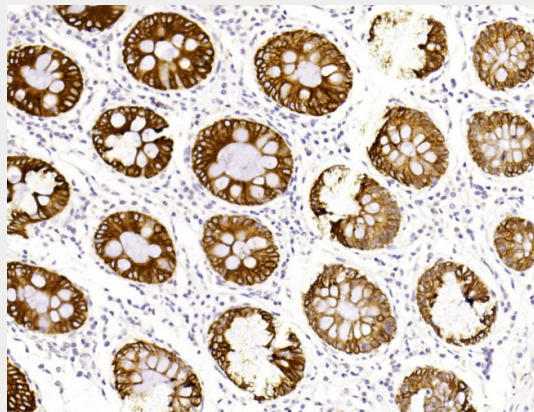
### KRT19 Antibody - Images



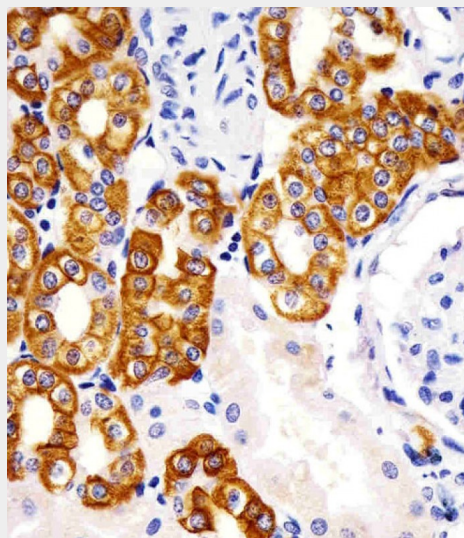
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling KRT19 with AM8477b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (NA166821) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing intermediate filaments staining on HepG2 cell line. The nuclear counter stain is DAPI (blue).



All lanes : Anti-KRT19 at 1:8000 dilution Lane 1: HepG2 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded Human Colon cancer section using Pink1(Cat#AM8477b). AM8477b was diluted at 1:400 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



AM8477b staining KRT19 in human kidney sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **KRT19 Antibody - Background**

Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

#### **KRT19 Antibody - References**

Stasiak P.C., et al. Nucleic Acids Res. 15:10058-10058(1987).  
Bader B.L., et al. Eur. J. Cell Biol. 47:300-319(1988).  
Eckert R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 85:1114-1118(1988).  
Stasiak P.C., et al. J. Invest. Dermatol. 92:707-716(1989).  
Whitlock N.V., et al. Biochem. Biophys. Res. Commun. 267:462-465(2000).

#### **KRT19 Antibody - Citations**

- [Differential miRNA expression profiles in human keratinocytes in response to protein kinase C inhibitor.](#)