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

Specification

KRT19 Antibody - Product Information

Application	**IF, WB, IHC, IHC-P,E**
Primary Accession	P08727
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.

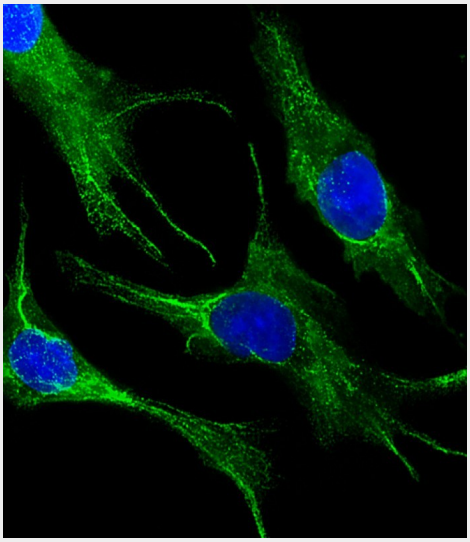
Tissue Location
Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at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

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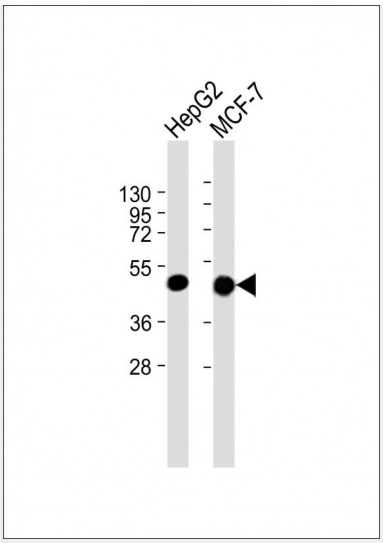
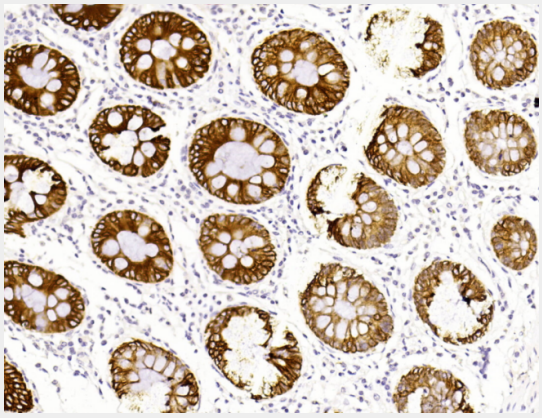
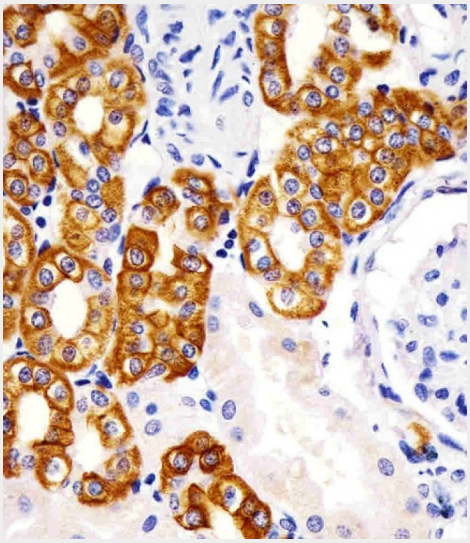


All lanes : Anti-KRT19 at 1:8000 dilution Lane 1: HepG2 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

KRT19 Antibody - Background

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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).
Whittock 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.