

Cytokeratin-19
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22454a

Specification

Cytokeratin-19 - Product Information

Application	WB,E
Primary Accession	P08727
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	44106

Cytokeratin-19 - 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 rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

Dilution

WB~~1:2000

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.

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

Cytokeratin-19 is for research use only and not for use in diagnostic or therapeutic procedures.

Cytokeratin-19 - 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.

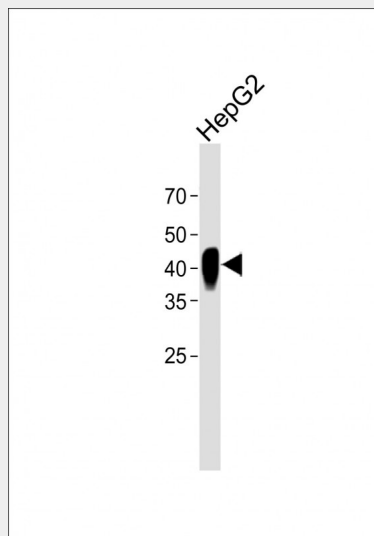
Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. 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.

Cytokeratin-19 - 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](#)

Cytokeratin-19 - Images



All lanes: Anti-Cytokeratin-19 at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 44 KDa Blocking/Dilution buffer: 5% NFDm/TBST.

Cytokeratin-19 - Background

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

Cytokeratin-19 - 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).