10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CK19 Monoclonal Antibody(11F5)

Catalog # AP63305

Product Information

Application	IHC-P, IF, ICC
Primary Accession	P08727
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	44106

Additional Information

Gene ID	3880
Other Names	KRT19; Keratin, type I cytoskeletal 19; Cytokeratin-19; CK-19; Keratin-19; K19
Dilution	IHC-P~~IHC: 1:200 IF~~1:50~200 ICC~~N/A
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20℃

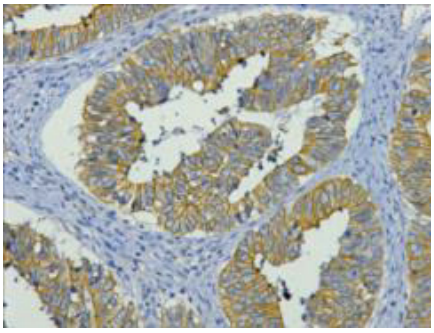
Protein Information

Name	KRT19 (HGNC:6436)
Function	Structural component of intermediate filaments in epithelial cells. Forms intermediate filaments by heterodimerizing with the type II keratin KRT8, providing mechanical integrity to epithelial cells (PubMed:16000376). Integrates into the intermediate filament network of skeletal muscle fibers alongside desmin and KRT18, contributing to force transmission (By similarity). Specifically interacts with the actin-binding domain of dystrophin, helping to link the contractile apparatus to dystrophin at the costameres of striated muscle (PubMed:16000376).
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.

Background

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

Images



IHC staining of human colon cancer tissue, diluted at 1:200.

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