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Anti-KRT19 / CK19 / Cytokeratin 19 Antibody (aa240-390, clone 8H7)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18177

Product Information

Application	WB, IHC-P
Primary Accession	P08727
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Names	8H7
Calculated MW	44106
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	3880
Alias Symbol	KRT19
Other Names	KRT19, CK19, Cytokeratin 19, Cytokeratin-19, Keratin 19, Keratin-19, CK-19, K19, K1CS, Keratin, type I, 40-kd
Target/Specificity	Human KRT19 / CK19 / Cytokeratin 19
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-KRT19 / CK19 / Cytokeratin 19 Antibody (aa240-390, clone 8H7) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.