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

Anti-KRT19 / CK19 / Cytokeratin 19 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18425

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	P08727
Predicted	Human, Pig
Host	Rabbit
Clonality	Polyclonal
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	Recognizes endogenous levels of Cytokeratin 19 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-KRT19 / CK19 / Cytokeratin 19 Antibody (Internal) 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'.