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Anti-KRT18 / CK18 / Cytokeratin 18 Antibody (aa265-276)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17924

Product Information

Application	WB, IHC-P, E
Primary Accession	P05783
Predicted	Human, Mouse, Rat, Rabbit, Monkey, Pig, Xenopus, Bovine, Horse, Guinea Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	48058
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	3875
Alias Symbol	KRT18
Other Names	KRT18, CK-18, Cytokeratin 18, Cytokeratin-18, K18, Keratin 18, CYK18, Keratin-18
Target/Specificity	Human KRT18 / Cytokeratin 18. Reported variants represent identical protein: NP_000215.1, NP_954657.1.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-KRT18 / CK18 / Cytokeratin 18 Antibody (aa265-276) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT18 (HGNC:6430)
Synonyms	CYK18
Function	Required for the formation of KRT8/KRT18 filaments that are involved in ARHGEF40-mediated actin stress fiber formation and tensional force-induced stress fiber formation and reinforcement (PubMed:26823019). Also acts downstream of ROCK kinase activation as part of a positive feedback mechanism in response to cellular mechanical stress loading (PubMed:26823019). Organization and orientation of KRT18 filaments are responsible for the properly elongated morphology of epithelial tubules (By similarity). Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)- mediated

	barrier protection.
Cellular Location	Nucleus matrix {ECO:0000250|UniProtKB:Q5BJY9}. Cytoplasm, perinuclear region. Nucleus, nucleolus. Cytoplasm {ECO:0000250|UniProtKB:Q5BJY9}
Tissue Location	Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.