

Anti-KRT18 / CK18 / Cytokeratin 18 Antibody (aa265-276)
Goat Anti Human Polyclonal Antibody
Catalog # ALS17924**Specification**

Anti-KRT18 / CK18 / Cytokeratin 18 Antibody (aa265-276) - 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
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

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

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

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

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