

**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	<a href="#">P05783</a>
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:<a href="http://www.uniprot.org/citations/26823019" target="\_blank">26823019</a>). Also acts downstream of ROCK kinase activation as part of a positive feedback mechanism in response to cellular mechanical stress loading (PubMed:<a

href="http://www.uniprot.org/citations/26823019" target="\_blank">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**