

**Anti-Cytokeratin 18 Mouse mAb**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP53488****Specification**

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**Anti-Cytokeratin 18 Mouse mAb - Product Information**

Application	IHC
Primary Accession	<a href="#">P05783</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Immunogen	Purified recombinant fragment of human Cytokeratin 18 (aa391-483) expressed in E. Coli.
Purification	Acites
Calculated MW	48kDa KDa
Antigen Region	aa391-483

**Anti-Cytokeratin 18 Mouse mAb - Additional Information****Gene ID** 3875**Other Names**

CK18; CYK18; KRT18

**Dilution**

IHC~~1:400

**Format**

Ascitic fluid containing 0.09% (W/V) sodium azide.

**Storage**

Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Anti-Cytokeratin 18 Mouse mAb - Protein Information****Name** KRT18**Synonyms** CYK18**Function**

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**

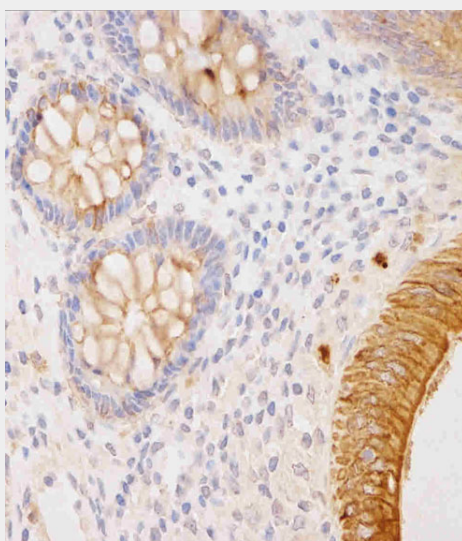
Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

#### **Anti-Cytokeratin 18 Mouse mAb - 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-Cytokeratin 18 Mouse mAb - Images**



Immunohistochemical analysis of KRT18 in Human appendix tissue sections(IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1/400) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

#### **Anti-Cytokeratin 18 Mouse mAb - Background**

Cytokeratin 18, also known as CK18, CYK18, KRT18. Entrez Protein NP\_000215. It encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene.