

Anti-Cytokeratin 18 Mouse mAb

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP53488

Product Information

Application	WB, IHC
Primary Accession	P05783
Reactivity	Human
Host	Mouse
Clonality	Monoclonal Antibody
Isotype	Mouse IgG2b
Immunogen	Purified recombinant fragment of human Cytokeratin 18 (aa391-483) expressed in E. Coli.
Purification	Acites
Calculated MW	48058
Antigen Region	aa391-483

Additional Information

Gene ID	3875
Other Names	CK18; CYK18; KRT18
Dilution	WB~~1:1000 IHC~~1:400
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

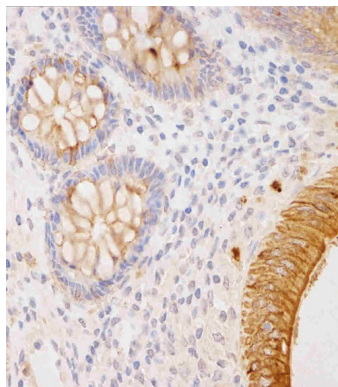
Protein Information

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.

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.

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.

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