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CYK18 Antibody (C-term)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2178B

Specification

CYK18 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P05783
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG3**
Calculated MW	**48058**

CYK18 Antibody (C-term) - Additional Information

Gene ID 3875

Other Names
Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18

Target/Specificity
This CYK18 Monoclonal antibody is generated from mouses immunized with a KLH conjugated synthetic peptide selected from the 400-430 region of human CYK18.

Dilution
WB~~1:1000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CYK18 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CYK18 Antibody (C-term) - 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}

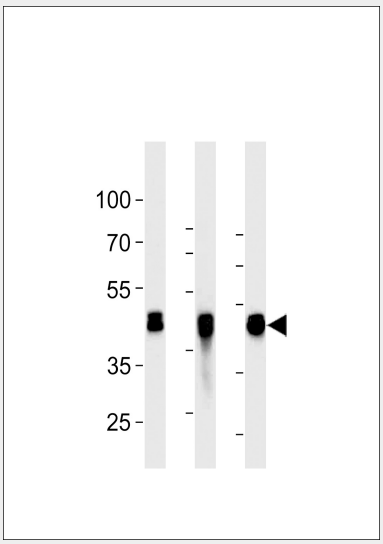
Tissue Location
Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

CYK18 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CYK18 Antibody (C-term) - Images



All lanes : Anti-CYK18 Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysates Lane 2: K562 whole cell lysates Lane 3: NCI-H460 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

CYK18 Antibody (C-term) - Background

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.

CYK18 Antibody (C-term) - References

Oshima R.G., et al. Differentiation 33:61-68(1986).
Kim J.W., et al. Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Kulesh D.A., et al. Mol. Cell. Biol. 8:1540-1550(1988).