

CYK18 Antibody (C-term)
Mouse Monoclonal Antibody (Mab)
Catalog # AW5679

Specification

CYK18 Antibody (C-term) - Product Information

Application	IF, WB,E
Primary Accession	P05783
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	H=48 KDa
Isotype	IgG3
Antigen Source	HUMAN

CYK18 Antibody (C-term) - Additional Information

Gene ID 3875

Antigen Region
400-430

Other Names

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

Dilution

IF~~1:25

WB~~1:2000

Target/Specificity

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

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

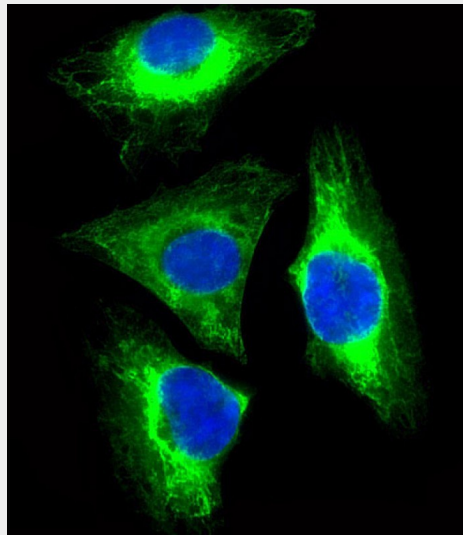
Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

CYK18 Antibody (C-term) - Protocols

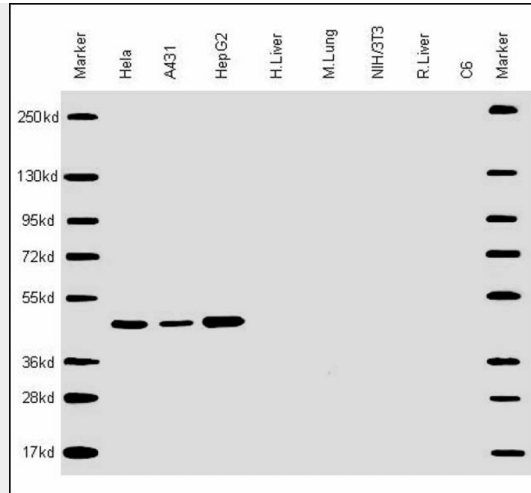
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CYK18 Antibody (C-term) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling Pdx1 with AW5679 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (NA166821) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoskeleton staining on HeLa cell line. The nuclear counter stain is DAPI (blue).



All lanes : Anti-CYK18 Antibody (C-term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: A431 whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: human liver lysate Lane 5: mouse lung lysate Lane 6: NIH/3T3 whole cell lysate Lane 7: Rat liver lysate Lane 8: C6 whole cell lysate 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).