10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CYK18 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AX10002

Specification

CYK18 Antibody (C-term) - Product Information

Application	**IF, WB, IHC-P, FC,E**
Primary Accession	P05783
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**401-430**

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 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 401-430 amino acids from the C-terminal region of human CYK18.

Dilution
IF~~1:200
WB~~1:2000
IHC-P~~1:1000
FC~~1:50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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}

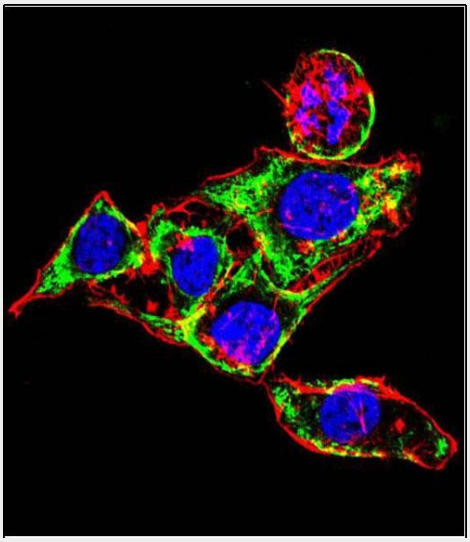
Tissue Location
Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

CYK18 Antibody (C-term) - Protocols

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

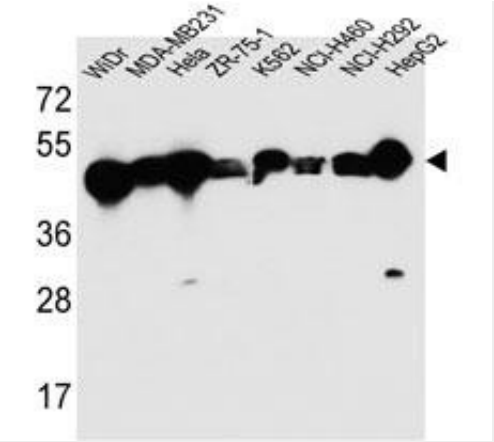
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CYK18 Antibody (C-term) - Images

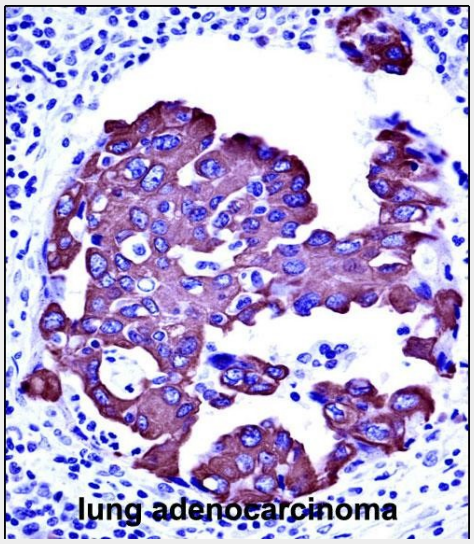


Confocal immunofluorescent analysis of CYK18 Antibody (C-term) (Cat. #AX10002)with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).

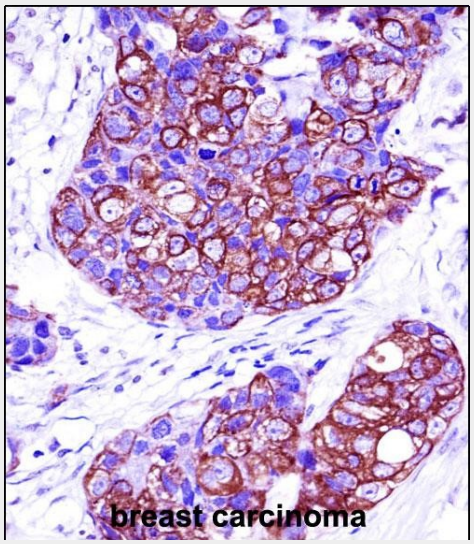
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CYK18 Antibody (C-term) (Cat. #AX10002) western blot analysis in WiDr,MDA-MB231,Hela,ZR-75-1,K562,NCI-H460,NCI-H292,HepG2 cell line lysates (35ug/lane).This demonstrates the CYK18 antibody detected the CYK18 protein (arrow).

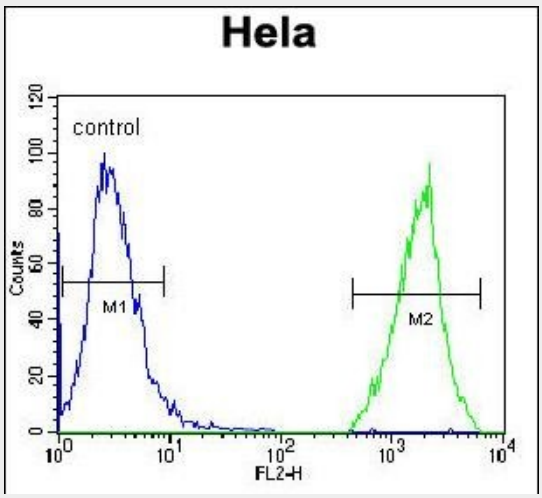


CYK18 Antibody (C-term) (Cat. #AX10002)immunohistochemistry analysis in formalin fixed and paraffin embedded human lung adenocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CYK18 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



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CYK18 Antibody (C-term)(Cat. #AX10002)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CYK18 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CYK18 Antibody (C-term)(Cat. #AX10002) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CYK18 Antibody (C-term) - Background

KRT18 is 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 family. They are expressed in single layer epithelial tissues of the body. Mutations in its gene have been linked to cryptogenic cirrhosis.

CYK18 Antibody (C-term) - References

Zhang,Q., Clin. Cancer Res. 15 (10), 3557-3567 (2009) Kruse,R., Folia Histochem. Cytobiol. 47 (1), 127-130 (2009) Toivola,D.M., Hepatology 40 (2), 459-466 (2004)