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

KRT18 / CK18 / Cytokeratin 18 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15001

Specification

KRT18 / CK18 / Cytokeratin 18 Antibody - Product Information

Application	**IF, WB, IHC**
Primary Accession	P05783
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**48kDa KDa**

KRT18 / CK18 / Cytokeratin 18 Antibody - 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
Human Cytokeratin 18. Predicted cross-reactivity based on amino acid sequence homology: rat (85%).

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
KRT18 / CK18 / Cytokeratin 18 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

KRT18 / CK18 / Cytokeratin 18 Antibody - 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.

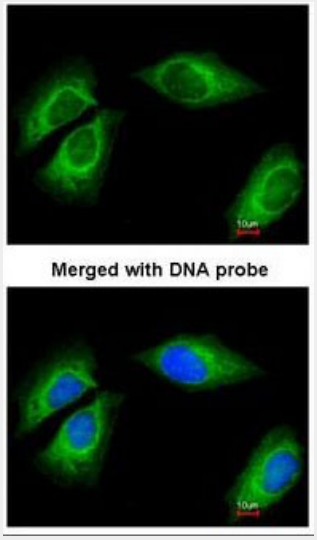
Volume
50 µl

KRT18 / CK18 / Cytokeratin 18 Antibody - Protocols

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

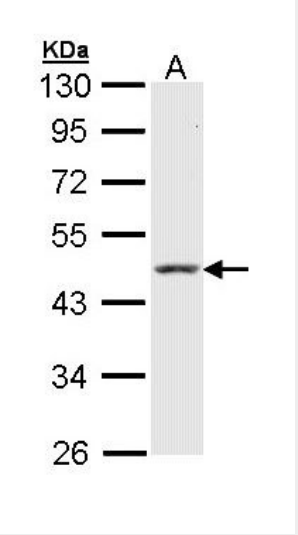
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KRT18 / CK18 / Cytokeratin 18 Antibody - Images



Immunofluorescence of paraformaldehyde-fixed HeLa, using Cytokeratin 18 antibody at 1:200 dilution.

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



Sample (30 ug of whole cell lysate). A: Raji. 10% SDS PAGE. KRT18 antibody diluted at 1:10000.



Anti-KRT18 / Cytokeratin 18 antibody IHC of human uterus, endometrium.

KRT18 / CK18 / Cytokeratin 18 Antibody - 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.

KRT18 / CK18 / Cytokeratin 18 Antibody - 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).