10320 Camino Santa Fe, Suite G
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KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free)

Mouse Monoclonal Antibody
Catalog # ALS16044

Specification

KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free) - Product Information

Application	**IHC**
Primary Accession	P05783
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**48kDa KDa**

KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free) - 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

Reconstitution & Storage
Stable for 36 months when stored at or below 0°C.

Precautions
KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free) is for research use only and not for use in diagnostic or therapeutic procedures.

KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free) - 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.

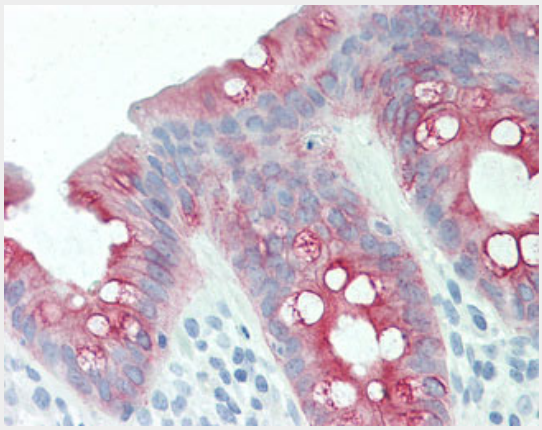
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KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free) - Protocols

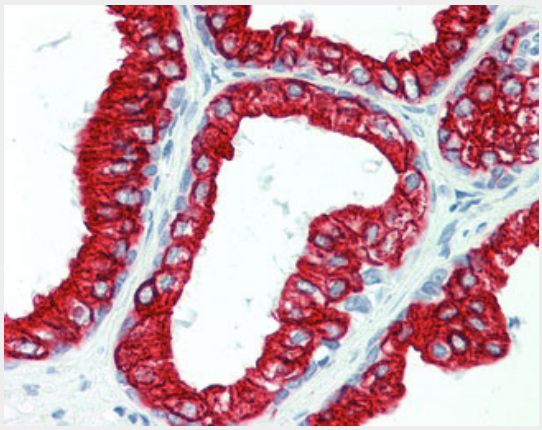
Provided below are standard protocols that you may find useful for product applications.

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

KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free) - Images



Anti-KRT18 / CK18 / Cytokeratin 18 antibody IHC staining of human colon.



Anti-KRT18 / CK18 / Cytokeratin 18 antibody IHC staining of human prostate.

KRT18 / CK18 / Cytokeratin 18 Antibody (clone DC-10, Azide-free) - 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 (clone DC-10, Azide-free) - 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).