

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin)
Mouse Monoclonal Antibody
Catalog # ALS16695**Specification**

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin) - Product Information

| | |
|-------------------|------------------------|
| Application | IHC |
| Primary Accession | P05783 |
| Other Accession | 3875 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 48058 |

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin) - Additional Information**Gene ID** 3875**Other Names**

KRT18, CK-18, Cytokeratin 18, Cytokeratin-18, K18, Keratin 18, CYK18, Keratin-18

Target/Specificity

Reacts with Cytokeratin 18 (45 kD). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.

Reconstitution & Storage

PBS, 15 mM sodium azide, approx., pH 7.4. Store at 2-8°C. Do not freeze.

Precautions

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin) is for research use only and not for use in diagnostic or therapeutic procedures.

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin) - 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}

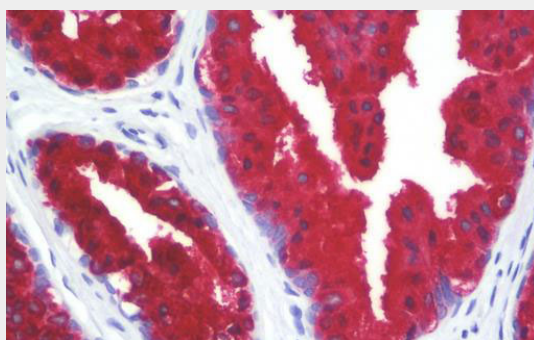
Tissue Location

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

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin) - 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](#)

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin) - Images

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

KRT18 / CK18 / Cytokeratin 18 Antibody (clone C-04, Biotin) - 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 C-04, Biotin) - 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).