

**Cytokeratin 18 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51309**

**Specification**

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**Cytokeratin 18 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P05783</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46 KDa
Antigen Region	371 - 430

**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**

KLH conjugated synthetic peptide derived from human Cytokeratin 18

**Dilution**

WB~~ 1:4000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**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

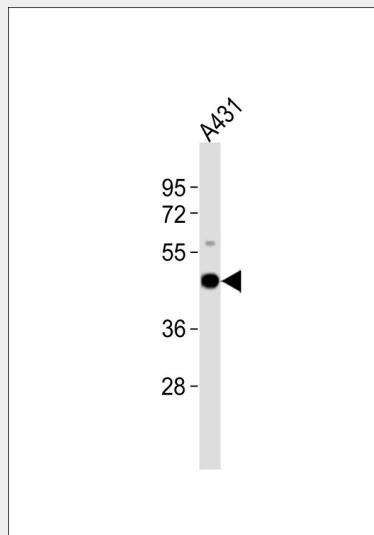
Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

### 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 Cytometry](#)
- [Cell Culture](#)

### Cytokeratin 18 Antibody - Images



Anti-Cytokeratin 18 Antibody at 1:4000 dilution + A431 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.

### 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.

### 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.  
Kalinine 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).