

**Cytokeratin 18 Antibody**  
Rabbit mAb  
Catalog # AP90095**Specification**

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**Cytokeratin 18 Antibody - Product Information**

Application	WB, IHC, FC, ICC
Primary Accession	<a href="#">P05783</a>
Clonality	Monoclonal
<b>Other Names</b>	
Keratin-18; CYK18; cytokeratin 18; Cytokeratin-18; K18; K1C18; keratin 18; KRT18; CK-18;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48058 Da

**Cytokeratin 18 Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cytokeratin 18
Description	K18 a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Keratin 18 and its filament partner keratin 8 are perhaps the most commonly found members of the intermediate filament gene family.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**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

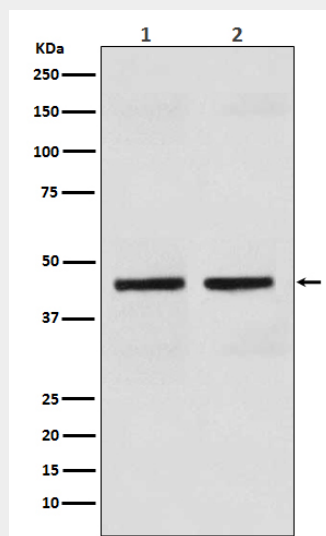
Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

#### 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



Western blot analysis of Cytokeratin 18 expression in (1) HT-29 cell lysate;(2) human kidney lysate.