

**CYK18 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7376c****Specification**

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**CYK18 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P05783](#)**CYK18 Antibody (Center) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP7376c](/products/AP7376c) was selected from the Center region of human CYK18. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CYK18 Antibody (Center) Blocking Peptide - 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.

**CYK18 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CYK18 Antibody (Center) Blocking Peptide - Images****CYK18 Antibody (Center) Blocking Peptide - Background**

KRT18 is the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament family. They are expressed in single layer epithelial tissues of the body. Mutations in its gene have been linked to cryptogenic cirrhosis.

**CYK18 Antibody (Center) Blocking Peptide - References**

Zhang,Q., Clin. Cancer Res. 15 (10), 3557-3567 (2009) Kruse,R., Folia Histochem. Cytobiol. 47 (1), 127-130 (2009) Toivola,D.M., Hepatology 40 (2), 459-466 (2004)