

**keratin 18 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF4069a

### Specification

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#### keratin 18 Antibody (internal region) - Product Information

Application	WB
Primary Accession	<a href="#">P05783</a>
Other Accession	<a href="#">NP_000215.1</a> , <a href="#">3875</a> , <a href="#">16668 (mouse)</a> , <a href="#">294853 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	48058

#### keratin 18 Antibody (internal region) - 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

#### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

keratin 18 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

#### keratin 18 Antibody (internal region) - 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.

### keratin 18 Antibody (internal region) - 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](#)

### keratin 18 Antibody (internal region) - Images



AF4069a (0.1 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### keratin 18 Antibody (internal region) - Background

Reported variants represent identical protein: NP\_000215.1, NP\_954657.1.

### keratin 18 Antibody (internal region) - References

Keratin 18 attenuates estrogen receptor alpha-mediated signaling by sequestering LRP16 in cytoplasm. Meng Y, Wu Z, Yin X, Zhao Y, Chen M, Si Y, Yang J, Fu X, Han W. BMC cell biology 2009 10 : 96. PMID: 20035625