

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

keratin 18 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	P05783
Other Accession	NP_000215.1 , 3875 , 16668 (mouse) , 294853 (rat)
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

Dilution

WB~~1:1000

E~~N/A

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