

Rabbit Keratin 18 Polyclonal Antibody | anti-K18 antibody

Phospho-Keratin 18 (Tyr36) Antibody

CATALOG # AAA328359	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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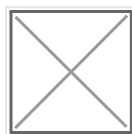
PRODUCT SYNONYMS

Keratin 18; Polyclonal Antibody; Phospho-Keratin 18 (Tyr36) Antibody; Cell proliferation inducing gene 46 protein; Cell proliferation inducing protein 46; Cell proliferation-inducing gene 46 protein; CK 18; CK-18; CK18; CYK 18; CYK18; Cytokeratin 18; Cytokeratin endo B; Cytokeratin-18; K 18; K1C18_HUMAN; KA18; type I; Keratin D; keratin; type I cytoskeletal 18; Keratin-18; Krt18; anti-K18 antibody

PRODUCT SPECIFICATIONS

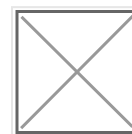
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Keratin 18 (Tyr36) Antibody detects endogenous levels of Keratin 18 only when phosphorylated at Tyr36.
Purity/Purification	Peptide affinity purification
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	430
Applicable Applications for anti-K18 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Keratin 18 around the phosphorylation site of Tyr36.
Preparation and Storage	Store at -20°C.

IMAGES



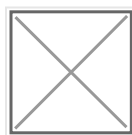
WB (Western Blot)

Western blot analysis of extracts from HT29, using Phospho-Keratin 18 (Tyr36) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



WB (Western Blot)

Western blot analysis of Phospho-Keratin 18 (Tyr36) in lysates of HT29, using Phospho-Keratin 18 (Tyr36) Antibody.



IHC (Immunohistochemistry)

AAA328359) At 1/100 staining human colon cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-K18 antibody	Description: 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. Post Translational Modifications: Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6. Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7. O-GlcNAcylation increases solubility, and decreases stability by inducing proteasomal degradation. Subunit Structure: Heterotetramer of two type I and two type II keratins. KRT18 associates with KRT8. Interacts with the thrombin-antithrombin complex (By similarity). Interacts with PNN, HCV core protein and mutated CFTR. Interacts with YWHAE, YWHAH and YWHAZ only when phosphorylated. Interacts with DNAJB6, TCHP and TRADD. Interacts with FAM83H (PubMed:23902688). Interacts with EPPK1 (By similarity). Similarity: Belongs to the intermediate filament family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557888
NCBI GeneID	3875
NCBI Accession #	NP_000215.1
NCBI GenBank Nucleotide #	NP_000215.1
UniProt Accession #	P05783
Molecular Weight	46 kDa
NCBI Official Full Name	keratin, type I cytoskeletal 18
NCBI Official Synonym Full Names	keratin 18
NCBI Official Symbol	KRT18
NCBI Official Synonym Symbols	K18; CK-18; CYK18
NCBI Protein Information	keratin, type I cytoskeletal 18
UniProt Protein Name	Keratin, type I cytoskeletal 18
UniProt Gene Name	KRT18
UniProt Synonym Gene Names	CYK18; CK-18; K18
UniProt Entry Name	K1C18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/keratin-18-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328359>