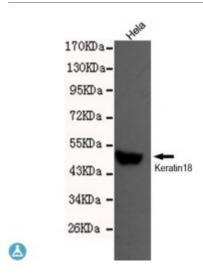


Anti-Keratin18 antibody



Description Mouse monoclonal to Keratin18.

Model STJ99293

Host Mouse

Reactivity Human

Applications ELISA, WB

Immunogen Recombinant protein corresponding to full length Keratin18 of human.

Gene ID 3875

Gene Symbol KRT18

Dilution range WB 1:500-2000ELISA 1:10000-20000

Specificity This antibody detects endogenous levels of Keratin18 and does not cross-react

with related protein.

Tissue Specificity Expressed in colon, placenta, liver and very weakly in exocervix. Increased

expression observed in lymph nodes of breast carcinoma.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Keratin, type I cytoskeletal 18 Cell proliferation-inducing gene 46 protein

Cytokeratin-18 CK-18 Keratin-18 K18

Molecular Weight 48kDa

Clonality Monoclonal

Conjugation Unconjugated

Isotype IgG1

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. **Formulation**

1 mg/ml Concentration

Store at -20°C, and avoid repeat freeze-thaw cycles. **Storage Instruction**

Database Links HGNC:6430OMIM:148070

Keratin, type I cytoskeletal 18 Cell proliferation-inducing gene 46 protein **Alternative Names**

Cytokeratin-18 CK-18 Keratin-18 K18

Function Involved in the uptake of thrombin-antithrombin complexes by hepatic cells .

> 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.

Cytoplasm, perinuclear region. Nucleus, nucleolus. **Cellular Localization**

Post-translational Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at **Modifications**

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.

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