

Cytokeratin 18 Rabbit pAb

CatalogNo: YT1266

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IP, IF, ELISA

MW

- 47kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IP 2-5 ug/mg lysate

IF 1:200-1:1000

ELISA 1:40000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

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

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Keratin 18. AA range: 1-50

Specificity Cytokeratin 18 Polyclonal Antibody detects endogenous levels of Cytokeratin 18 protein.

Target Information

Gene name KRT18
Protein Name Keratin type I cytoskeletal 18

Organism	Gene ID	UniProt ID
Human	3875 ;	P05783 ;
Mouse	16668 ;	P05784 ;
Rat	294853 ;	Q5BJY9 ;

Cellular Localization Cytoplasm, perinuclear region. Nucleus, nucleolus.

Tissue specificity Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

Function Disease:Defects in KRT18 are a cause of cryptogenic cirrhosis [MIM:215600].,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.,induction:By IL-6.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,PTM:O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.,PTM:Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6.,PTM:Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. Keratin-18 associates with keratin-8. Interacts with the thrombin-antithrombin complex (By similarity). Interacts with PNN, HCV core protein and mutated CFTR. Interacts with YWHAЕ, YWHAH and YWHAZ only when phosphorylated. Interacts with DNAJB6, TCHP and TRADD.,tissue specificity:Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.,

Validation Data

Contact information

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Rabbit pAb

