

Cytokeratin 18 Rabbit pAb

CatalogNo: YN5631

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB

MW

- 46kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:1000-2000

Storage

Storage*

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

Formulation

PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Recombinant Protein of Keratin type I cytoskeletal 18

Specificity

The antibody detects endogenous Cytokeratin 18 protein.

Target Information

Gene name

KRT18

Protein Name	Keratin type I cytoskeletal 18		
	Organism	Gene ID	UniProt ID
	Human	3875;	P05783;
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	<p>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 YWHAE, 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.,</p>		

| Validation Data

| Contact information

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Rabbit pAb