



Cytokeratin 18 (ABT054) mouse mAb

货号	YP-mAb-18346
同位型	IgG2b,Kappa
应用	IHC, WB, IF, ELISA
种属	Human, Mouse,Rat
别名	CK 18 ;CK-18 ;CK18 ;CYK18 ;Cytokeratin 18 ;Cytokeratin endo B ;CytokeRatin-18 ;K 18 ;K18 ;K1C18_HUMAN ;KA18 ;KeRatin 18 ;KeRatin 18, type I ;KeRatin D ;keRatin, type I cytoskeletal 18 ;KeRatin-18 ;Krt18
基因名称	KRT18 CYK18 PIG46
蛋白名称	Keratin, type I cytoskeletal 18 (Cell proliferation-inducing gene 46 protein) (Cytokeratin-18) (CK-18) (Keratin-18) (K18)
免疫原	Synthesized peptide derived from human Cytokeratin 18 AA range: 200-300
特异性	The antibody can specifically recognize human CK18 protein, and shows no cross reaction with CK1, 5, 6, 7, 8, 10, 13, 14, 15, 19, 20. In western blotting of Hela and MCF7 cell lysates, the antibody can label a 45 kDa band corresponding to CK18.
组成	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
稀释	IHC 1:200-1000; WB 1:500-2000; IF 1:100-500; ELISA 1:1000-5000
纯化工艺	Protein G
分子量	48kD
实测条带	48kD
背景	CK18 is a cytokeratin with a molecular weight of 45 kDa. It is mainly expressed in monolayer and pseudostratified epithelium, but negative in stratified squamous epithelium. It is expressed in glandular epithelium, transitional epithelium and hepatocytes. It is mainly used for the diagnosis of adenocarcinoma.
功能	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 YWHA E, YWHA H and YWHA Z 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.,



细胞定位	Cytoplasmic, Membranous
组织表达	Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!
使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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