

KRT18

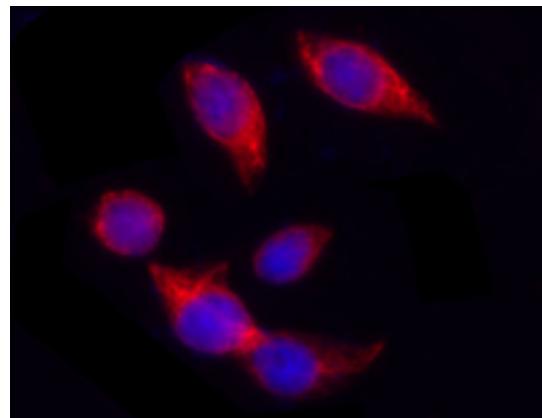
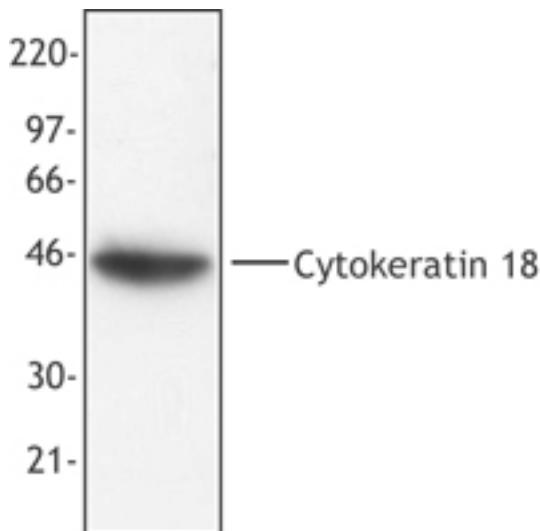
Mouse Anti-Human CK18 Clone DA-7 mAb

Catalog No.	CSI10199 CSI10200	Quantity:	25 µg 100 µg
Alternate Names:	CYK18, K18, cell proliferation-inducing protein 46, cytokeratin 18, Keratin 18, Keratin type I cytoskeletal 18		
Description:	Cytokeratin 18, also known as keratin 18, is a type I intermediate filament protein with a molecular weight of approximately 48 kD. Cytokeratin 18 is a heterotetramer composed of two type I and two type II keratins. Cytokeratin 18 associates with cytokeratin 8 and is widely expressed in simple epithelial tissues in the adult where it is found in the cytoplasm, nucleus, and nucleolus. Cytokeratin 18 is associated with the cytoskeleton and mutations in this protein have been associated with liver disease after environmental insult. Cytokeratin 18 can be modified by glycosylation, phosphorylation (Ser34 and Ser53), acetylation (Ser2) and proteolytic cleavage at amino acids 238 and 397 by caspase family members. The cytokeratin 18 protein interacts with a number of proteins including caspase 3, 14-3-3 gamma, 14-3-3 zeta, 14-3-3 sigma 14-3-3 beta, 14-3-3 eta, keratin 5, keratin 8, TNF receptor II, plakophilin 2, EGF receptor, and usherin, among others. The DA-7 monoclonal antibody recognizes human cytokeratin 18 and is useful for Western blotting. This antibody has also been reported to be useful for immunoprecipitation, immunohistochemistry (paraffin sections), immunocytochemistry, and ELISA.		
Concentration:	0.5 mg/ml		
Gene ID:	3875		
Host:	Mouse		
Immunogen:	Human breast carcinoma cell line PMC-42		
Isotype:	Mouse IgG1, κ		
Clone:	DA-7		
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	The antibody was purified by affinity chromatography.		
Reactivity:	Human		
Applications:	WB, IP, IHC, ICC, ELISA, IF		
Recommended Usage:	Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 5 µg antibody per 5 ml antibody dilution buffer for each mini-gel. For immunofluorescence microscopy: Use a dilution range of 1-4 µg/ml. It is recommended that the reagent be titrated for optimal performance for each application.		
Storage & Stability:	The antibody solution should be stored undiluted at 4 °C.		



MCF-7 cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-cytokeratin 18 antibody (clone DA-7). Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.

HeLa cells stained with purified mouse monoclonal antibody against Cytokeratin 18 (clone DA-7), followed by Rhodamine Red-X conjugated Donkey anti-mouse IgG and DAPI



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® **Cell Sciences** ®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com