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Product Data Sheet

Anti-Cytokeratin 18 Antibody

Catalog #	Source	Reactivity	Applications
CPA9148	Mouse	H, M, R	WB, IF/IC

Description	Mouse monoclonal antibody to Cytokeratin 18
Immunogen	Recombinant protein corresponding to human Cytokeratin 18.
Purification	
Specificity	Recognizes endogenous levels of Cytokeratin 18 protein.
Clonality	Monoclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/1000 - 1/3000), IF/IC (1/100 - 1/200)
Gene Symbol	KRT18
Alternative Names	CYK18; Keratin type I cytoskeletal 18; Cell proliferation-inducing gene 46 protein; Cytokeratin-18; CK-18; Keratin-18; K18
Entrez Gene	3875 (Human); 16668 (Mouse); 294853 (Rat)
SwissProt	P05783 (Human); P05784 (Mouse); Q5BJY9 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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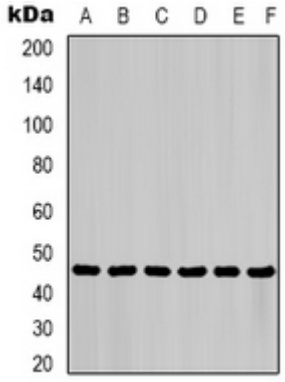
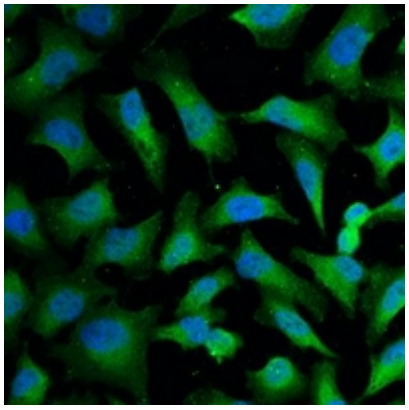


Western blot analysis of Cytokeratin 18 expression in HepG2 (A), Hela (B), mouse liver (C), mouse skeletal muscle (D), C2C12 (E), rat heart (F) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 46 kD)



Immunofluorescent analysis of Cytokeratin 18 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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