

Cytokeratin 18 Monoclonal Antibody (C-04)

Product Details	
Size	100 µg
Species Reactivity	Human, Mammal, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	C-04
Conjugate	Unconjugated
Immunogen	Cytoskeleton preparation of epidermal carcinoma cell line A431.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_1075170

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	10 µg/mL	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Flow Cytometry (Flow)	1-4 µg/mL	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

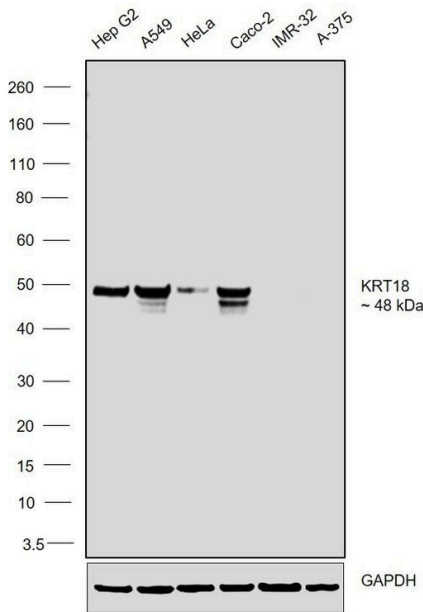
Product Specific Information

Perform Western blot under non-reducing conditions.

Product Images For Cytokeratin 18 Monoclonal Antibody (C-04)

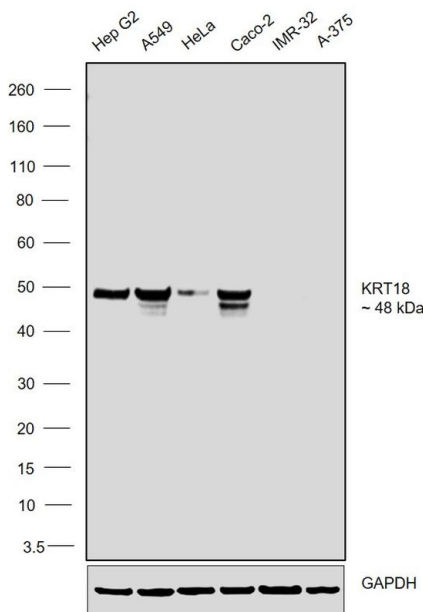
Cytokeratin 18 Antibody (MA1-19039)

Antibody specificity was demonstrated by detection of differential basal expression of the target across the cell lines tested owing to their inherent genetic constitution. Relative expression of Cytokeratin 18 was observed in Hep G2, A549, HeLa and Caco-2 in comparison to IMR-32 and A-375 using Anti-Cytokeratin 18 Monoclonal Antibody (C-04) (Product # MA1-19039) in Western Blot. {RE}



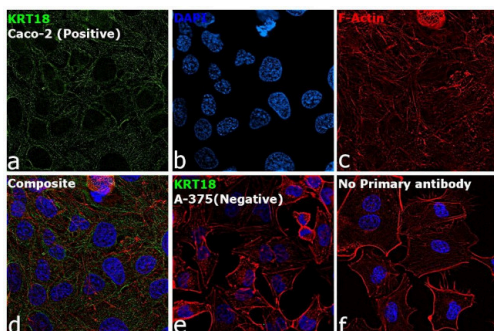
Cytokeratin 18 Antibody (MA1-19039) in WB

Western blot was performed using Anti-Cytokeratin 18 Monoclonal Antibody (C-04)(Product # MA1-19039) and a 48kDa band corresponding to Cytokeratin 18 was observed across the cell lines tested except IMR-32 and A-375. Whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), A549 (Lane 2), HeLa (Lane 3), Caco-2 (Lane 4), IMR-32 (Lane 5) and A-375 (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1 ug/ml concentration) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177,1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Cytokeratin 18 Antibody (MA1-19039)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-Cytokeratin 18 Monoclonal Antibody (C-04) (Product # MA1-19039), shows cytoskeletal staining in Caco-2 in comparison to A-375. {RE}



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