

Phospho-MYL9 (Ser19) Polyclonal Antibody

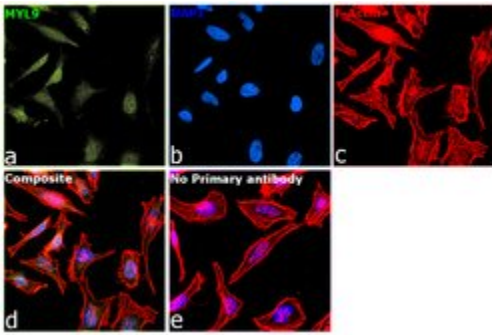
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human MRLC1 around the phosphorylation site of Ser19).
Form	Liquid
Concentration	1 mg/mL
Purification	sequential chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol, 150mM NaCl
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2816011

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:200	-

Product Images For Phospho-MYL9 (Ser19) Polyclonal Antibody

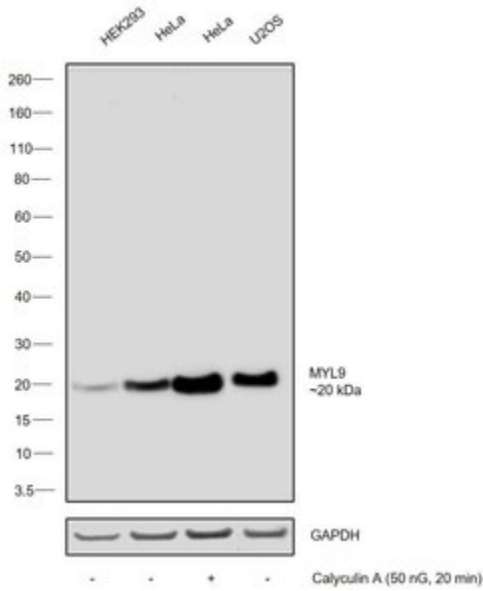
Phospho-MYL9 (Ser19) Antibody (PA5-104258) in ICC/IF

Immunofluorescence analysis of Myosin regulatory light polypeptide 9 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 5 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for overnight at room temperature. The cells were labeled with Phospho-MYL9 (Ser19) Polyclonal Antibody (Product # PA5-104258) at 1:200 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60x magnification.



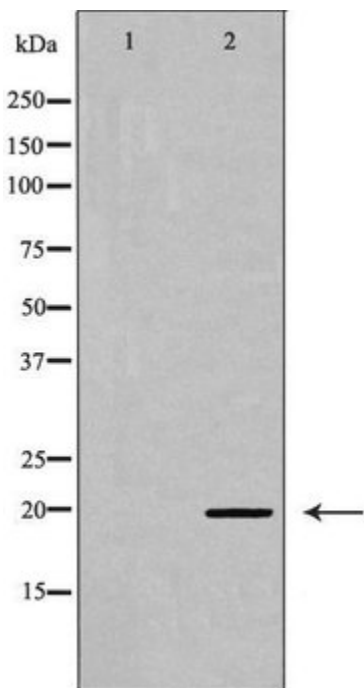
Phospho-MYL9 (Ser19) Antibody (PA5-104258) in WB

Western blot was performed using Anti-Phospho-MYL9 (Ser19) Polyclonal Antibody (Product # PA5-104258) and a ~20 kDa band corresponding to Myosin regulatory light polypeptide 9 was observed across cell lines tested. Whole cell extracts (40 µg lysate) of HEK-293 (Lane 1), HeLa (Lane 2), Calyculin A treated HeLa (Lane 3) and U-2 OS (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



Phospho-MYL9 (Ser19) Antibody (PA5-104258) in WB

Western blot analysis of Phospho-MYL9 (Ser19) in K562 cell lysate (left lane: treated with the antigen-specific peptide). Samples were incubated with Phospho-MYL9 (Ser19) polyclonal antibody (Product # PA5-104258).



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