Anti-MYL9 Rabbit Polyclonal Antibody

Catalog #: 51776

Aliases

MYL9; MLC2; MRLC1; MYRL2; Myosin regulatory light polypeptide 9; 20 kDa myosin light chain; LC20; MLC-2C; Myosin RLC; Myosin regulatory light chain 2, smooth muscle isoform; Myosin regulatory light chain 9; Myosin regulatory light chain MRLC1; MYL12A; MLCB; MRLC3; RLC; Myosin regulatory light chain 12A; MLC-2B; Myosin RLC; Myosin regulatory light chain 2, nonsarcomeric; Myosin regulatory light chain MRLC3

Background

Gene Name: MYL9
NCBI Gene Entry: 10398/10627
UniProt Entry: P24844/P19105

Application Information

Molecular Weight: Predicted, 19 kDa; observed, 19 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human, mouse, rat, bovine, pig
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human MYL9

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

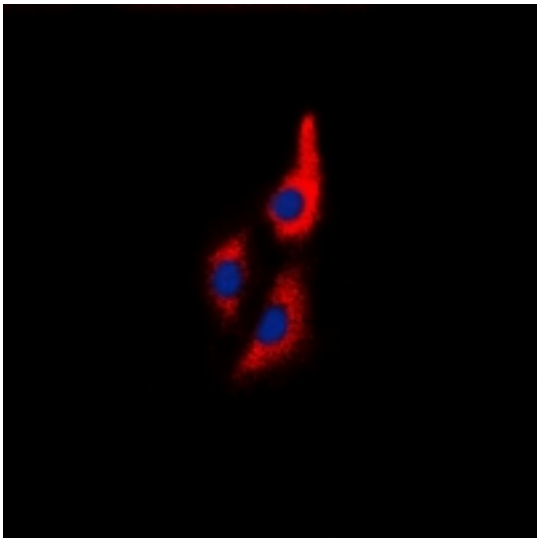
Store at -20 °C for one year.

Recommended Dilutions

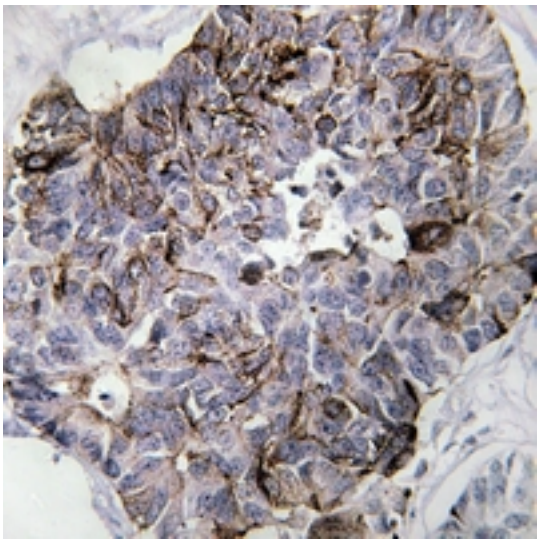
Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:50-1:100
Immunocytochemistry (IC): 1:50-1:200

Note: This product is for research use only.

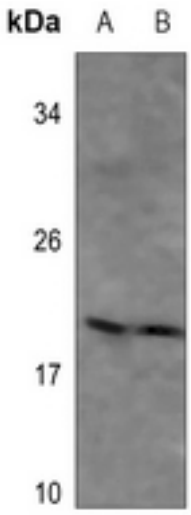
Validation Data



Immunocytochemical analysis of MYL9 staining in Jurkat 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of MYL9 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blotting analysis of MYL9 expression in U2OS (A), rat muscle (B) whole cell lysates.