

Phospho-Myosin Light Chain 2-S19 Rabbit mAb

Catalog No.: AP1433 **Recombinant**

Basic Information

Observed MW

18kDa

Calculated MW

20kDa

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC62046

Background

Myosin, a structural component of muscle, consists of two heavy chains and four light chains. The protein encoded by this gene is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. The encoded protein binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

10398

Swiss Prot

P24844

Immunogen

A synthetic phosphorylated peptide around S19 of human Myosin Light Chain 2 [NP_006088.2].

Synonyms

LC20; MLC2; MRCL1; MYRL2; MLC-2C; MMIHS4; Phospho-Myosin Light Chain 2-S19

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

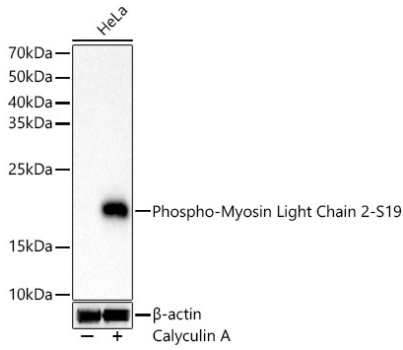
Affinity purification

Storage

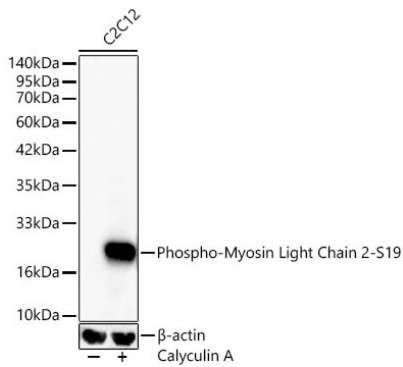
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using Phospho-Myosin Light Chain 2-S19 Rabbit mAb (AP1433) at 1:1000 dilution. HeLa cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Western blot analysis of lysates from C2C12 cells, using Phospho-Myosin Light Chain 2-S19 Rabbit mAb (AP1433) at 1:1000 dilution. C2C12 cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15s.