Leader in Biomolecular Solutions for Life Science

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MYL9 Rabbit pAb

Catalog No.: A3039 **2 Publications**

Basic Information

Observed MW
18kDa

Calculated MW
20kDa

Category
Primary antibody

Applications
WB,IF-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

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
IF-P	1:50 - 1:200
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
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
LC20; MLC2; MRLC1; MYRL2; MLC-2C; MMIHS4; MYL9

Contact

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Product Information

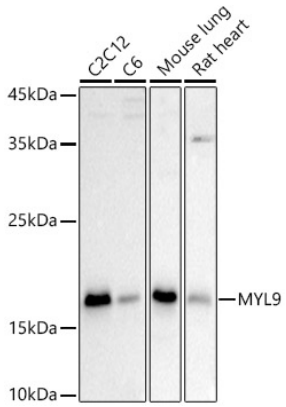
Source
Rabbit

Isotype
IgG

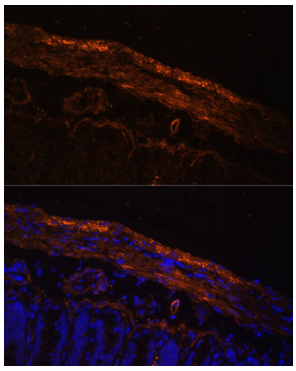
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

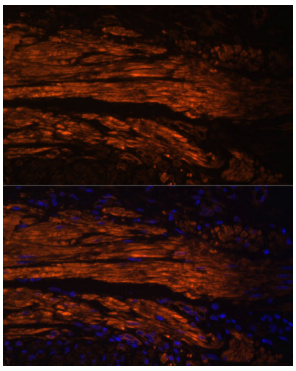
Validation Data



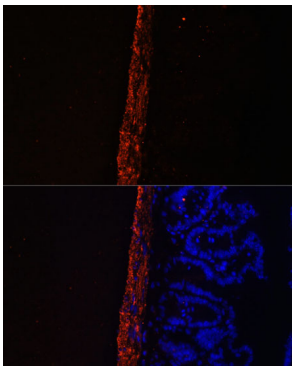
Western blot analysis of various lysates using MYL9 Rabbit pAb (A3039) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunofluorescence analysis of Rat intestine using MYL9 Rabbit pAb (A3039) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Human colon carcinoma using MYL9 Rabbit pAb (A3039) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Mouse intestine using MYL9 Rabbit pAb (A3039) at dilution of 1:100. Blue: DAPI for nuclear staining.