

# MYL9 Rabbit pAb

Catalog No.: A3039 **2 Publications**

## Basic Information

### Observed MW

18kDa

### Calculated MW

20kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,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/ICC** 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

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MYL9 (NP\_006088.2).

### Synonyms

LC20; MLC2; MRCL1; MYRL2; MLC-2C; MMIHS4; MYL9

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

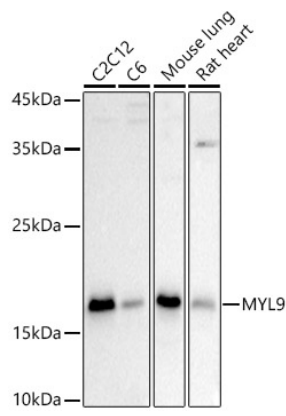
Affinity purification

### Storage

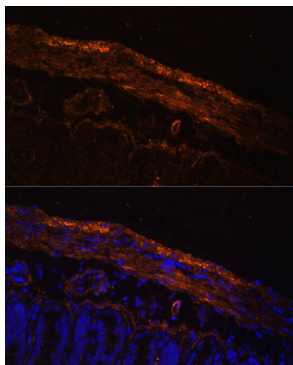
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

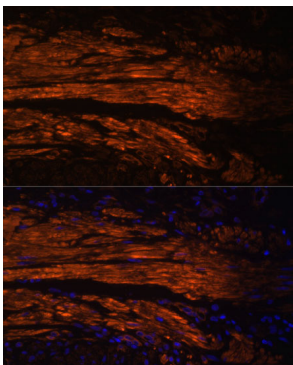
Validation Data



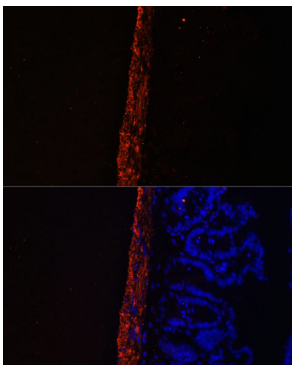
Western blot analysis of various lysates using MYL9 Rabbit pAb (A3039) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).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