MYL9 (Phospho Thr18/Ser19) (PT0752R) PT™ Rabbit mAb

CatalogNo: YM8561 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 18kD (Calculated)

18kD (Observed)

Isotype
- IgG, Kappa

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:50-1:400
WB 1:1000-1:5000
IF 1:200-1:1000
ELISA 1:5000-1:20000

Basic Information

Clonality	Monoclonal
Clone Number	PT0752R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary information.

Specificity MYL9 (Phospho Thr18/Ser19) Antibody detects endogenous levels of MYL9 protein only when phosphorylated at Thr18/Ser19.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RAtsNV

Target Information

Gene name MYL9

Protein Name Myosin regulatory light polypeptide 9

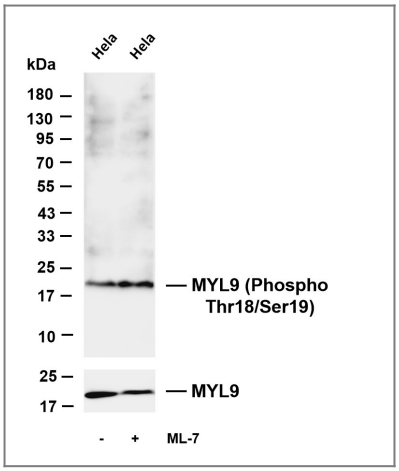
Organism	Gene ID	UniProt ID
Human	10398; 10627;	P24844;
Mouse	98932;	Q9CQ19;
Rat	296313;	Q64122;

Cellular Localization Cytoplasm , cytoskeleton . Cytoplasm , cell cortex . Colocalizes with F-actin , MYH9 and PIEZO1 at the actomyosin cortex in myoblasts. .

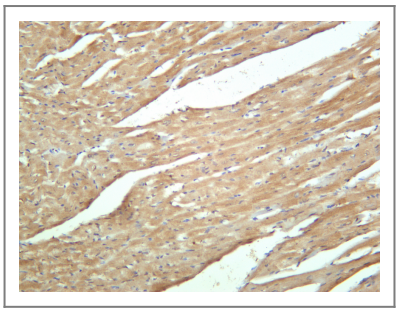
Tissue specificity Smooth muscle tissues and in some , but not all , nonmuscle cells.

Function Function:Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis , receptor capping , and cell locomotion. ,miscellaneous:This chain binds calcium. ,PTM:Phosphorylation increases the actin-activated myosin ATPase activity and thereby regulates the contractile activity. It is required to generate the driving force in the migration of the cells but not necessary for localization of myosin-2 at the leading edge. ,similarity:Contains 3 EF-hand domains. ,subunit:Myosin is an hexamer of 2 heavy chains and 4 light chains. ,tissue specificity:Smooth muscle tissues and in some , but not all , nonmuscle cells. ,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-MYL9 (Phospho Thr18/Ser19) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: Hela was treated with ML-7 (75uM) for 30 minutes Predicted band size: 20kDa Observed band size: 20kDa



Mouse cardiac muscle was stained with anti-MYL9 (Phospho Thr18/Ser19) rabbit antibody

Contact information

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Please scan the QR code to access additional product information: **MYL9 (Phospho Thr18/Ser19) (PT0752R) PT™ Rabbit mAb**

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