

## MYL9 Antibody

Rabbit mAb Catalog # AP92298

## **Product Information**

Application	WB, IHC, IP
Primary Accession	<u>P24844</u>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	MLC2; CMH10;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	19827

## **Additional Information**

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MYL9
Description	Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## **Protein Information**

Name	MYL9
Synonyms	MLC2, MRLC1, MYRL2
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 (PubMed: <u>11942626</u> , PubMed: <u>2526655</u> ). In myoblasts, may regulate PIEZO1-dependent cortical actomyosin assembly involved in myotube formation (By similarity).
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q9CQ19}. Cytoplasm, cell cortex {ECO:0000250 UniProtKB:Q9CQ19}. Note=Colocalizes with F-actin, MYH9 and PIEZO1 at the actomyosin cortex in myoblasts {ECO:0000250 UniProtKB:Q9CQ19}
Tissue Location	Smooth muscle tissues and in some, but not all, nonmuscle cells.



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