

MYL9 (pS18) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51632**Specification**

MYL9 (pS18) Antibody - Product Information

Application	WB, E
Primary Accession	P24844
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18 KDa

MYL9 (pS18) Antibody - Additional Information**Gene ID** 10398**Other Names**

Myosin regulatory light polypeptide 9, 20 kDa myosin light chain, LC20, MLC-2C, Myosin RLC, Myosin regulatory light chain 2, smooth muscle isoform, Myosin regulatory light chain 9, Myosin regulatory light chain MRLC1, MYL9, MLC2, MRLC1, MYRL2

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MYL9. The exact sequence is proprietary.

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

MYL9 (pS18) Antibody - 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: [11942626](http://www.uniprot.org/citations/11942626), PubMed: [2526655](http://www.uniprot.org/citations/2526655)). 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.

MYL9 (pS18) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYL9 (pS18) Antibody - Images**MYL9 (pS18) Antibody - Background**

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MYL9 (pS18) Antibody - References

Kumar C.C.,et al.Biochemistry 28:4027-4035(1989).
Pan J.Y.,et al.Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases.
Iwasaki T.,et al.Cell Struct. Funct. 26:677-683(2001).
Deloukas P.,et al.Nature 414:865-871(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.