

MLC2 / MYL9 Antibody (aa12-27)
Rabbit Polyclonal Antibody
Catalog # ALS11223**Specification**

MLC2 / MYL9 Antibody (aa12-27) - Product Information

Application	WB, IHC-P, E, IP
Primary Accession	P24844
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A IP~~N/A

MLC2 / MYL9 Antibody (aa12-27) - 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

Amino acids 12-27 of human myosin light chain protein.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

MLC2 / MYL9 Antibody (aa12-27) is for research use only and not for use in diagnostic or therapeutic procedures.

MLC2 / MYL9 Antibody (aa12-27) - 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, PubMed: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

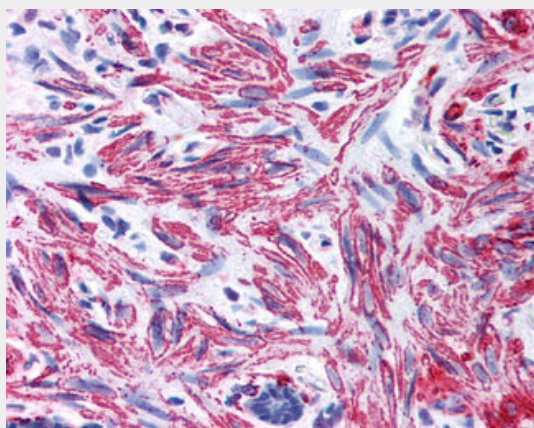
Smooth muscle tissues and in some, but not all, nonmuscle cells.

MLC2 / MYL9 Antibody (aa12-27) - 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](#)

MLC2 / MYL9 Antibody (aa12-27) - Images



Anti-MYL9 antibody IHC of human smooth muscle.

MLC2 / MYL9 Antibody (aa12-27) - Background

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MLC2 / MYL9 Antibody (aa12-27) - 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.