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Anti-MLC2 / MYL9 Antibody (aa3-52)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18013

Specification

Anti-MLC2 / MYL9 Antibody (aa3-52) - Product Information

Application	**WB, IHC-P, IF, E**
Primary Accession	P24844
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**19827**

Anti-MLC2 / MYL9 Antibody (aa3-52) - Additional Information

Gene ID 10398

Alias Symbol	**MYL9**

Other Names
MYL9, 20 kDa myosin light chain, LC20, MLC-2C, MLC2, Myosin RLC, MRLC1, MYRL2

Target/Specificity
MRLC2 (Ab-18) Antibody detects endogenous levels of total MRLC2 protein.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-MLC2 / MYL9 Antibody (aa3-52) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-MLC2 / MYL9 Antibody (aa3-52) - 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.

Anti-MLC2 / MYL9 Antibody (aa3-52) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MLC2 / MYL9 Antibody (aa3-52) - Images