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

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18013

## Product Information

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

## Additional Information

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|---|---|
| **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. |

## Protein Information

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|---|---|
| **Name** | MYL9 {ECO:0000303\|PubMed:29453416, ECO:0000312\|HGNC:HGNC:15754} |
| **Function** | Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation (PubMed:11942626, PubMed:2526655). 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. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.