

Rabbit anti-Human Myosin Light Chain 2-S19 Monoclonal Antibody | anti-MYL9 antibody

Phospho-Myosin Light Chain 2-S19 Rabbit mAb

CATALOG # AAA283159	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Myosin Light Chain 2-S19; Monoclonal Antibody; Phospho-Myosin Light Chain 2-S19 Rabbit mAb; LC20; MLC2; MRLC1; MYRL2; MLC-2C; MMIHS4; Phospho-Myosin Light Chain 2-S19; anti-MYL9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ATSNV
Applicable Applications for anti-MYL9 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic phosphorylated peptide around S19 of human Myosin Light Chain 2 (NP_006088.2).
Modification	Phospho S19
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from C2C12 cells, using Phospho-Myosin Light Chain 2-S19 Rabbit mAb (AAA283159) at 1:1000 dilution. C2C12 cells were treated by Calyculin A (100 nM) at 37° for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.



WB (Western Blot)

Western blot analysis of lysates from HeLa cells, using Phospho-Myosin Light Chain 2-S19 Rabbit mAb (AAA283159) at 1:1000 dilution. HeLa cells were treated by Calyculin A (100 nM) at 37° for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-MYL9 antibody

Myosin, a structural component of muscle, consists of two heavy chains and four light chains. The protein encoded by this gene is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. The encoded protein binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for this gene.

Product Categories/Family for anti-MYL9 antibody	Protein phosphorylation; Signal Transduction; Cell Biology Developmental Biology; Cytoskeleton; Motor Proteins; Actins; TGF-b-Smad Signaling Pathway; Phosphorylated Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31563524
NCBI GeneID	10398
NCBI Accession #	NP_852667.1
NCBI GenBank Nucleotide #	NM_181526.2
UniProt Accession #	P24844; Q9BQL9; Q9BUF9; Q9H136; E1P5T6
Molecular Weight	Calculated MW: 20kDa Observed MW: 18kDa
UniProt Protein Name	Myosin regulatory light polypeptide 9
UniProt Gene Name	MYL9
UniProt Synonym Gene Names	MLC2; MRLC1; MYRL2; LC20
UniProt Entry Name	MYL9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/myosin-light-chain-2-s19-antibody-western-blot-elisa/283159>