

Rabbit Myosin Light Chain 2 Monoclonal Antibody | anti-MYL2 antibody

Myosin Light Chain 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312286	Rabbit	Human, Mouse, Rat, Zebrafish	Immunoprecipitation, Immunohistochemistry, Western Blot

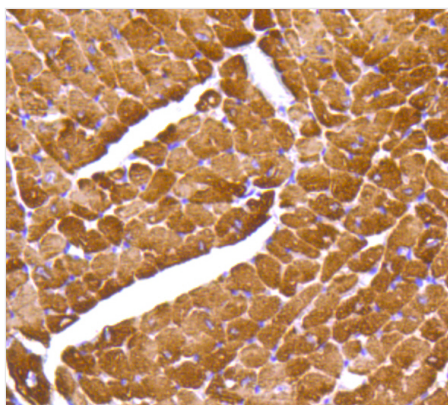
PRODUCT SYNONYMS

Myosin Light Chain 2; Monoclonal Antibody; Myosin Light Chain 2 Antibody; Cardiac myosin light chain-2 antibody; Cardiac ventricular myosin light chain 2 antibody; CMH10 antibody; MLC 2v antibody; MLC-2 antibody; MLC-2v antibody; MLC2 antibody; MLRV_HUMAN antibody; MYL 2 antibody; MYL2 antibody; Myosin light chain 2 regulatory cardiac slow antibody; Myosin light polypeptide 2 regulatory cardiac slow antibody; Myosin regulatory light chain 2 antibody; Myosin regulatory light chain 2 ventricular/cardiac muscle isoform antibody; Regulatory light chain of myosin antibody; RLC of myosin antibody; Slow cardiac myosin regulatory light chain 2 antibody; ventricular/cardiac muscle isoform antibody; anti-MYL2 antibody

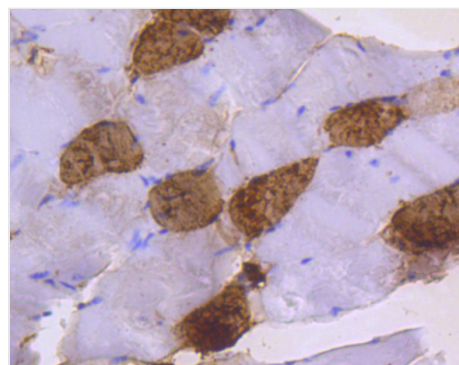
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Monoclonal
Clone Number	SN67-09
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-MYL2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

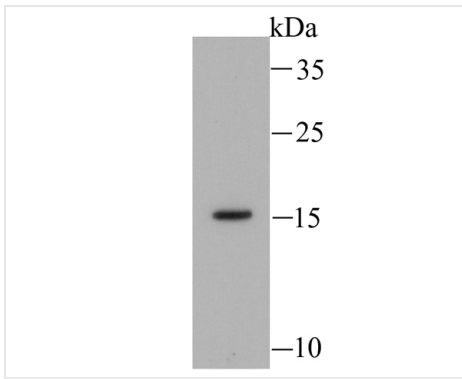
IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Myosin Light Chain 2 antibody. Counter stained with hematoxylin.

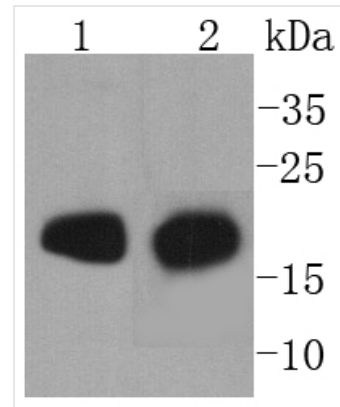


IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Myosin Light Chain 2 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Myosin Light Chain 2 on hybrid fish (crucian-carp) skin tissue lysate using anti-Myosin Light Chain 2 antibody at 1/500 dilution.



WB (Western Blot)

Western blot analysis of Myosin Light Chain 2 on different lysates using anti-Myosin Light Chain 2 antibody at 1/1, 000 dilution. Positive control: Lane 1: Mouse liver Lane 2: Mouse brain

ADDITIONAL INFORMATION

Related Product Information for anti-MYL2 antibody	Encoded by the MYL2 gene, myosin regulatory light chain 2, ventricular/cardiac muscle isoform, also designated MLC-2 or MLC2v, is part of a hexameric complex of two heavy chains and four light chains predominantly expressed in adult cardiac ventricle muscle. Myosin regulatory light chain 2 binds calcium and has been shown to be a useful molecular marker for cardiac chamber specification. The co-expression of myosin regulatory light chain 7 (MYL7) and myosin regulatory light chain 2 in the outflow tract and atrioventricular canal, together with the single expression in the atrial (MYL7) and ventricular (MYL2) myocardium, permits the delineation of their boundaries. At the amino acid level there is 96% homology between the human and mouse myosin regulatory light chain sequences. Mutations in MYL2 are correlated with mid-left ventricular chamber type hypertrophic cardiomyopathy (MVC2) as well as familial hypertrophic cardiomyopathy type 10 (CMH10).
Product Categories/Family for anti-MYL2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	94981553
NCBI GeneID	4633
NCBI Accession #	NP_000423.2
NCBI GenBank Nucleotide #	NM_000432.3
UniProt Accession #	P10916; Q16123
Molecular Weight	18,789 Da
NCBI Official Full Name	myosin regulatory light chain 2, ventricular/cardiac muscle isoform
NCBI Official Synonym Full Names	myosin, light chain 2, regulatory, cardiac, slow
NCBI Official Symbol	MYL2
NCBI Official Synonym Symbols	MLC2; CMH10
NCBI Protein Information	myosin regulatory light chain 2, ventricular/cardiac muscle isoform; MLC-2; MLC-2v; RLC of myosin; myosin light chain 2; regulatory light chain of myosin; cardiac ventricular myosin light chain 2; slow cardiac myosin regulatory light chain 2; myosin, ligh
UniProt Protein Name	Myosin regulatory light chain 2, ventricular/cardiac muscle isoform
UniProt Gene Name	MYL2
UniProt Synonym Gene Names	MLC-2; MLC-2v

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-antibody-clone-sn67-09-immunoprecipitation-immunohistochemistry-western-blot-elisa/312286>