

Myosin Light Chain 2 Recombinant Antibody | MYL2 recombinant antibody

Myosin Light Chain 2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA315313	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

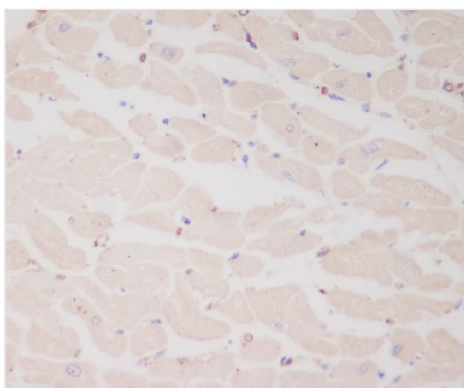
PRODUCT SYNONYMS

Myosin Light Chain 2; Monoclonal Recombinant Antibody; Myosin Light Chain 2 Rabbit mAb; MYL2; MLC2; Myosin light chain 2; MLC-2; RLC of myosin; CMH10; MLC-2v; MYL2 recombinant antibody

PRODUCT SPECIFICATIONS

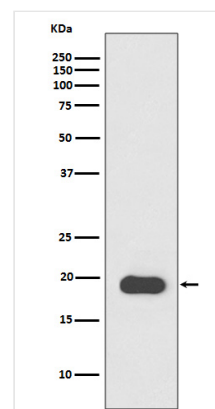
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Specificity	Myosin Light Chain 2 Antibody detects endogenous levels of Myosin Light Chain 2
Purity/Purification	Affinity-chromatography
Form/Format	Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for MYL2 recombinant antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Myosin Light Chain 2
Preparation and Storage	Store at +4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human heart, using Myosin Light Chain 2 Antibody.



WB (Western Blot)

Western blot analysis of Myosin Light Chain 2 expression in Mouse heart lysate.

ADDITIONAL INFORMATION

Related Product Information for MYL2 recombinant antibody	Myosin is composed of six polypeptide chains: two identical heavy chains and two pairs of light chains. Myosin light chain 2 (MLC2), also known as myosin regulatory light chain (MRLC), RLC, or LC20, has many isoforms depending on its distribution. In smooth muscle, MLC2 is phosphorylated at Thr18 and Ser19 by myosin light chain kinase (MLCK) in a Ca2+/calmodulin-dependent manner.
Product Categories/Family for MYL2 recombinant antibody	Recombinant Rabbit Monoclonal

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
UniProt Entry Name	MLRV_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.