

Rabbit anti-Human, Rat MYL3 Polyclonal Antibody | anti-MYL3 antibody

MYL3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325353	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

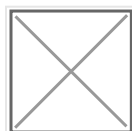
PRODUCT SYNONYMS

MYL3; Polyclonal Antibody; MYL3 Antibody; Cardiac myosin light chain 1; CMH8; CMLC1; ELC of myosin; Essential light chain of myosin; MLC1SB; MLC1V; MYL3_HUMAN; Myosin light chain 1; Myosin light chain 1 slow twitch muscle B/ventricular isoform; Myosin light chain 1 slow; B; Myosin light chain 3; Myosin; light chain 1; ventricular; myosin; light chain 3; alkali; skeletal; slow; light polypeptide 3; OTTHUMP00000165922; Slow skeletal ventricular myosin alkali light chain 3; slow-twitch muscle B/ventricular isoform; Ventricular/slow twitch myosin alkali light chain; VLC1; anti-MYL3 antibody

PRODUCT SPECIFICATIONS

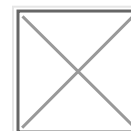
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYL3 antibody detects endogenous levels of total MYL3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	195
Applicable Applications for anti-MYL3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Predicted Cross Reactivity	Pig, Bovine, Horse, Dog
Similarity	Pig (83%), Bovine (83%), Horse (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325353 staining HuvEC cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from rat spleen, using MYL3 Antibody.



WB (Western Blot)

Western blot analysis of extracts from HuvEC using MYL3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MYL3 antibody

Function: Regulatory light chain of myosin. Does not bind calcium.

Subunit Structure: Myosin is a hexamer of 2 heavy chains and 4 light chains.

Post-translational Modifications: The N-terminus is blocked. N-terminus is methylated by METTL11A/NTM1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557777
NCBI GeneID	4634
NCBI Accession #	NP_000249.1
NCBI GenBank Nucleotide #	NM_000258.2
UniProt Accession #	P08590; Q9NRS8; B2R534
Molecular Weight	Observed: 22 kD Predicted: 22 kDa
NCBI Official Full Name	myosin light chain 3
NCBI Official Synonym Full Names	myosin light chain 3
NCBI Official Symbol	MYL3
NCBI Official Synonym Symbols	CMH8; VLC1; VLCl; MLC1V; MLC1SB; MLC-IV/sb
NCBI Protein Information	myosin light chain 3
UniProt Protein Name	Myosin light chain 3
UniProt Gene Name	MYL3
UniProt Synonym Gene Names	CMLC11 PublicationManual assertion based on opinion iniRef.5; MLC1SB; VLCl1 PublicationManual assertion based on opinion iniRef.2; MLC-IV/sb1 PublicationManual assertion based on opinion iniRef.4

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/myl3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325353>