Anti-Myosin light chain 3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013829

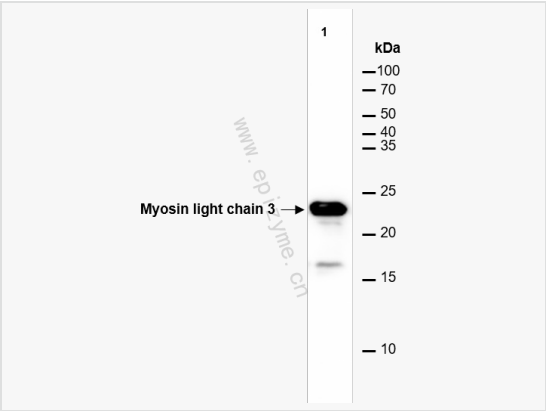
Product Information

Application	WB, ELISA
Reactivity	Rat, Human
Dilution	WB 1:1,000~1:4,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	48M01D83
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Myosin light chain 3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Myosin light chain 3 Rabbit mAb [48M01D83] is for research use only and not for use in diagnostic or therapeutic procedures.

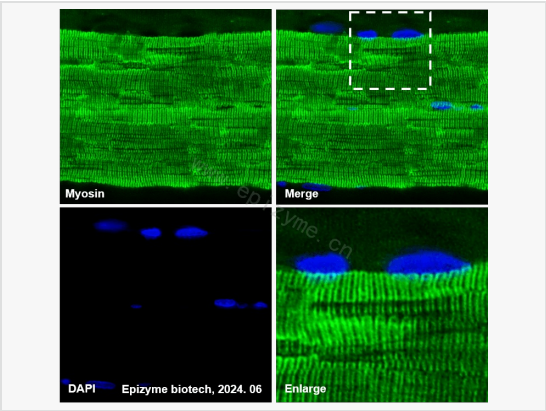
Protein Information

Synonyms	CMH8, VLC1, VLCl, MLC1V, MLC1SB, MLC-lV/sb.
Calculated MW	Calculated MW: 22 kDa; Observed MW: 22 kDa
Uniprot ID	P08590
Gene ID	4634
Background	MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008]

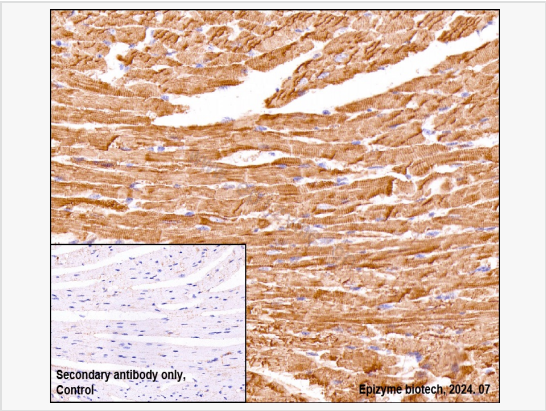
Validation Images



Western Blot - Anti-Myosin light chain 3 Rabbit mAb [48M01D83]
All lanes: R013829 at 1:2,000 dilution
Lane 1: Rat heart whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 22 kDa
Observed band size: 22 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Myosin light chain 3 Rabbit mAb [48M01D83]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse thigh muscle tissue
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013829 at 1:100 dilution
Secondary antibody: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Myosin light chain 3 Rabbit mAb [48M01D83]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse heart tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013829 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.