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MYL2 Rabbit mAb

Catalog No.: A8742 Recombinant

Basic Information

Observed MW
19kDa

Calculated MW
19kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC1286

Background

This gene encodes a major sarcomeric protein in mammalian striated muscle. The encoded protein plays a role in embryonic heart muscle structure and function, while phosphorylation of the encoded protein is involved in cardiac myosin cycling kinetics, torsion and function in adults. Mutations in this gene are associated with hypertrophic cardiomyopathy 10 and infant-onset myopathy.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
4633

Swiss Prot
P10916

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 67-166 of human MYL2 (P10916).

Synonyms
MLC2; CMH10; MFM12; MLC-2; MLC-2v; MLC-2s/v; MYL2

Contact

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Product Information

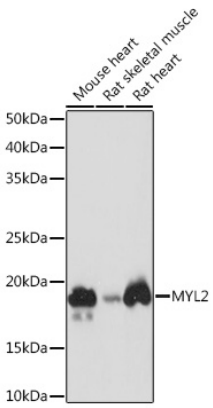
Source
Rabbit

Isotype
IgG

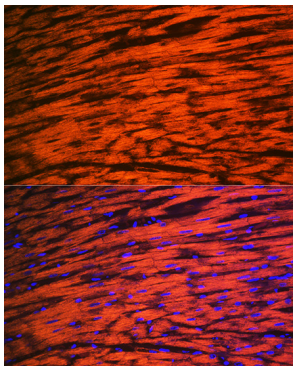
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

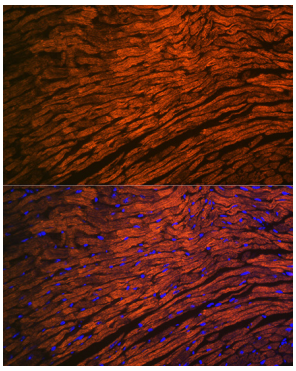
Validation Data



Western blot analysis of extracts of various cell lines, using MYL2 Rabbit mAb (A8742) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunofluorescence analysis of rat heart using MYL2 Rabbit mAb (A8742) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse heart using MYL2 Rabbit mAb (A8742) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.