
Product Name: MYL2 Mouse Monoclonal Antibody**Catalog #: AMM80719**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	19kDa

Antigen Information

Gene Name	MYL2
Alternative Names	MLC2; CMH10; DKFZp779C0562
Gene ID	4633.0
SwissProt ID	P10916
Immunogen	Purified recombinant fragment of MYL2 expressed in E. Coli.

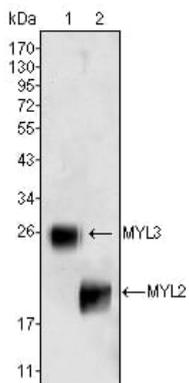
Background

MYL2(myosin, light chain 2, regulatory, cardiac, slow), also known as MLC-2, MLC2v. Entrez protein NP_000423. MYL2 associated with cardiac myosin beta (or slow) heavy chain. Ca⁺ triggers the phosphorylation of regulatory light chain that in turn triggers contraction. It is an hexamer of two heavy chains and four light chains that is predominantly expressed in adult

cardiac ventricle muscle. Mutations in MYL2 are associated with mid-left ventricular chamber type hypertrophic cardiomyopathy.

Research Area

Image Data



Western blot analysis using MYL3 (1) and MYL2 (2) mouse mAb against rat fetal heart tissue lysate.