

MYL2 rabbit monoclonal antibody

Catalog # H00004633-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human MYL2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human MYL2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human MYL2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — MYL2

Entrez GeneID	4633
GeneBank Accession#	MYL2
Gene Name	MYL2
Gene Alias	CMH10, DKFZp779C0562, MLC2
Gene Description	myosin, light chain 2, regulatory, cardiac, slow
Omim ID	160781 608758
Gene Ontology	Hyperlink
Gene Summary	Thus gene encodes the regulatory light chain associated with cardiac myosin beta (or slow) heavy chain. Ca ⁺ triggers the phosphorylation of regulatory light chain that in turn triggers contraction. Mutations in this gene are associated with mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq]
Other Designations	RLC of myosin cardiac ventricular myosin light chain 2 myosin light chain 2 myosin regulatory light chain 2, ventricular/cardiac muscle isoform myosin, light polypeptide 2, regulatory, cardiac, slow regulatory light chain of myosin slow cardiac myosin reg

Pathway

- [Focal adhesion](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)
- [Tight junction](#)

Disease

- [Cardiomegaly](#)
- [Cardiomyopathy](#)

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)