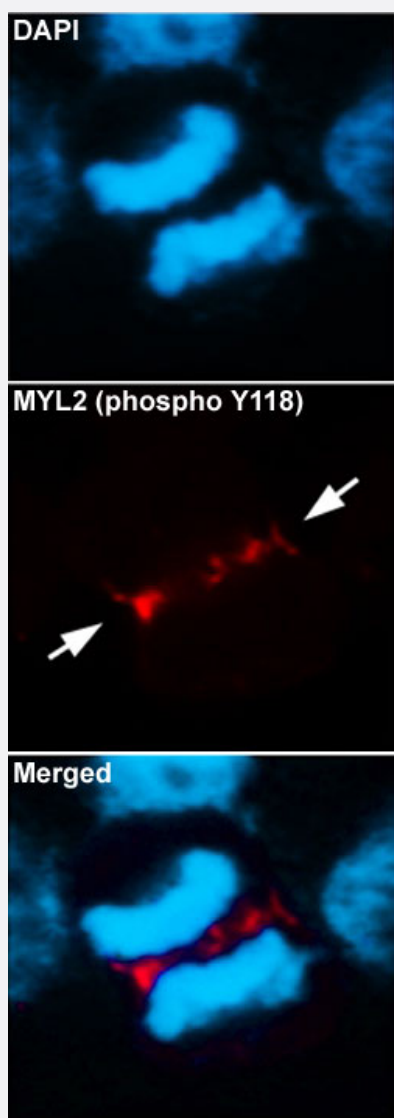


MYL2 (phospho Y118) polyclonal antibody

Catalog # PAB29624 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent staining of methanol-fixed U87 cells using MYL2 (phospho Y118) polyclonal antibody (Cat# PAB29624) at 1:100-1:200 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human MYL2.

Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y118 of human MYL2.
Host	Rabbit
Theoretical MW (kDa)	20
Reactivity	Human
Specificity	MYL2 (phospho Y118) polyclonal antibody detects endogenous level of MYL2 only when phosphorylated at tyrosine 118.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunofluorescence

Immunofluorescent staining of methanol-fixed U87 cells using MYL2 (phospho Y118) polyclonal antibody (Cat# PAB29624) at 1:100-1:200 dilution.

Gene Info — MYL2

Entrez GeneID	4633
Protein Accession#	P10916
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](#)