

Rabbit Anti-Myosin Light Chain 2 [EP99]: RM0142

Intended Use: For Research Use Only

Description: Myosin is a hexamer of 2 identical heavy chains and 2 pairs of light chains. The two pairs of light chains of muscle myosins are called essential light chains (ELC) and regulatory light chains (RLC). The light chains stabilize the long alpha helical neck of the myosin head. Myosin light chain-2 (MYL2), also known as the regulatory light chain of myosin, is an important protein involved in the regulation of myosin ATPase activity. Calcium triggers the phosphorylation of MYL2 that in turn triggers contraction. Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic type 10 and mid-left ventricular chamber type 2. An increase in ventricular MYL2 is observed during myocardial hypertrophy in cardiac patients with valve stenosis. This antibody reacts with cardiac and skeletal muscle.

Specifications

Clone: EP99
 Source: Rabbit
 Reactivity: Human
 Isotype: IgG
 Localization: Cytoplasm
 Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
 Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
 Applications: IHC
 Package:

Description	Catalog No.	Size
Myosin Light Chain 2 Concentrated	RM0142	1 ml

IHC Procedure*

Positive Control Tissue: Heart muscle
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.