

Anti-MYL2 Rabbit mAb

Purified Rabbit Monoclonal Antibody

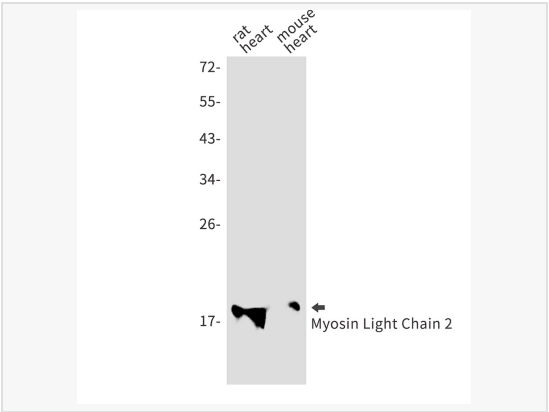
Catalog # R010924

Product Information

Application	WB, IHC-P/IF (Tissue-P), IP, ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	97M47L65
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Myosin Light Chain 2
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MYL2 antibody [97M47L65] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Myosin regulatory light chain 2, ventricular/cardiac muscle isoform, MLC-2, MLC-2v.
Calculated MW	Calculated MW: 19 kDa; Observed MW: 19 kDa
Uniprot ID	P10916
Gene ID	4633
Background	Myosin is composed of six polypeptide chains: two identical heavy chains and two pairs of light chains. Myosin light chain 2 (MLC2), also known as myosin regulatory light chain (MRLC), RLC, or LC20, has many isoforms depending on its distribution. In smooth muscle, MLC2 is phosphorylated at Thr18 and Ser19 by myosin light chain kinase (MLCK) in a Ca ²⁺ /calmodulin-dependent manner.



Western blot analysis of Myosin Light Chain 2 in rat heart, mouse heart lysates using MYL2 antibody.