

Myosin heavy chain Rabbit mAb

Catalog No: #49402

Package Size: #49402-1 50ul #49402-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

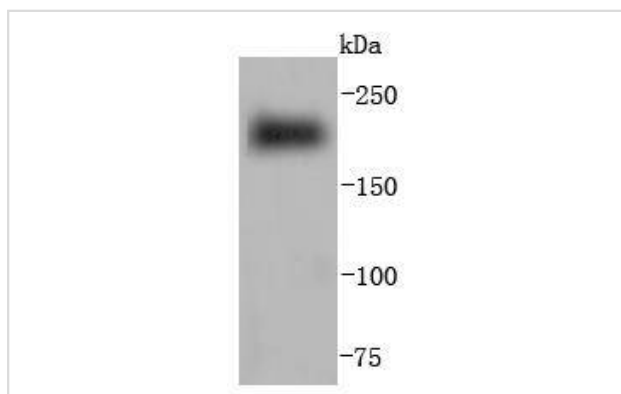
Description

Product Name	Myosin heavy chain Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF097-7
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	embryonic antibody fast skeletal muscle antibody HEMHC antibody Muscle embryonic myosin heavy chain 3 antibody Muscle embryonic myosin heavy chain antibody MYH 3 antibody Myh3 antibody MYH3_HUMAN antibody MYHC EMB antibody MYHSE 1 antibody MYHSE1 antibody Myosin heavy chain 3 antibody Myosin heavy chain 3 skeletal muscle embryonic antibody Myosin heavy chain antibody Myosin heavy chain fast skeletal muscle embryonic antibody Myosin Heavy Polypeptide 3 antibody Myosin heavy polypeptide 3 skeletal muscle embryonic antibody Myosin skeletal heavy chain embryonic 1 antibody Myosin-3 antibody SMHCE antibody
Accession No.	Swiss-Prot#:P13533
Uniprot	P13533
GeneID	4624;
Calculated MW	224 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

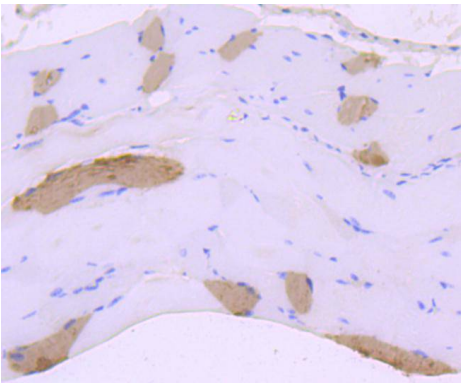
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200

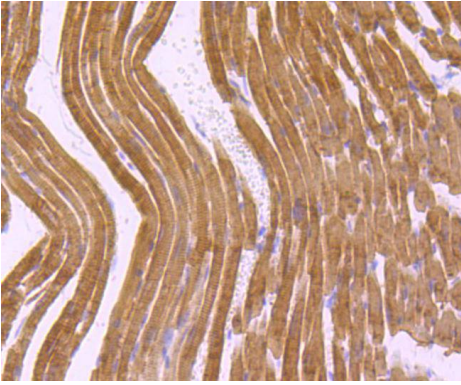
Images



Western blot analysis of Myosin heavy chain on human skeletal muscle lysates using anti-Myosin heavy chain antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse smooth muscle tissue using anti-Myosin heavy chain antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Myosin heavy chain antibody. Counter stained with hematoxylin.

Background

Myosin is a highly conserved, ubiquitously expressed protein that interacts with Actin to generate the force for cellular movements. Conventional myosins are hexameric proteins consisting of two heavy chain subunits, a pair of non-phosphorylatable light chain subunits and a pair of phosphorylatable light chain subunits. Three general classes of myosin have been cloned: smooth muscle myosins, striated muscle myosins and non-muscle myosins. Contractile activity in smooth muscle is regulated by the calcium/calmodulin-dependent phosphorylation of myosin light chain by myosin light chain kinase. Myosin heavy chains are encoded by the MYH gene family and have Actin-activated ATPase activity which generates the motor function of myosin. Myosin heavy chains, which were initially isolated from a human fetal skeletal muscle, are the major determinant in the speed of contraction of skeletal muscle. Various isoforms of myosin heavy chain are differentially expressed depending on the functional activity of the muscle.

References

Note: This product is for in vitro research use only