MYH7 Rabbit Polyclonal Antibody

Catalog No: #29592

Package Size: #29592-1 50ul #29592-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MYH7 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Mouse,Rat
Immunogen Description	Recombinant fusion protein of human MYH7 (NP_000248.2).
Other Names	MYH7;CMD1S;CMH1;MPD1;MYHCB;SPMD;SPMM;myosin-7;MYH7
Accession No.	Swiss Prot:P12883GeneID:4625
Calculated MW	223kDa
SDS-PAGE MW	223kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

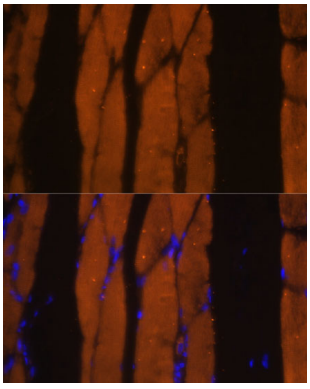
Application Details

WB□1:500 - 1:2000

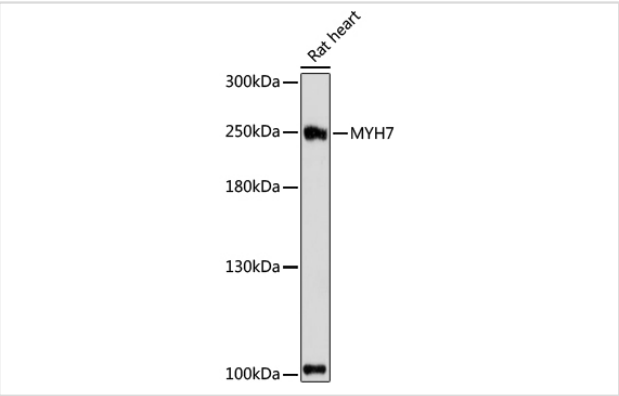
IHC□1:50 - 1:100

IF□1:50 - 1:200

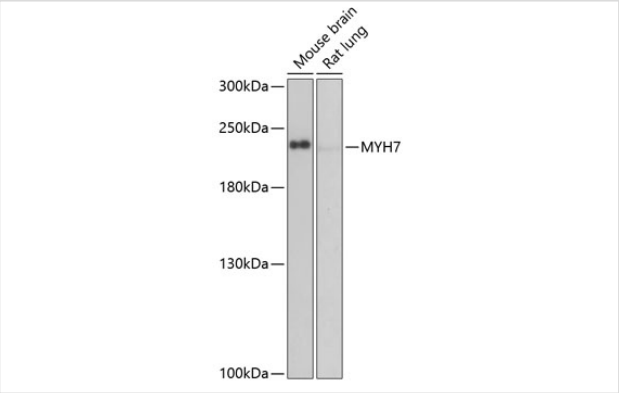
Images



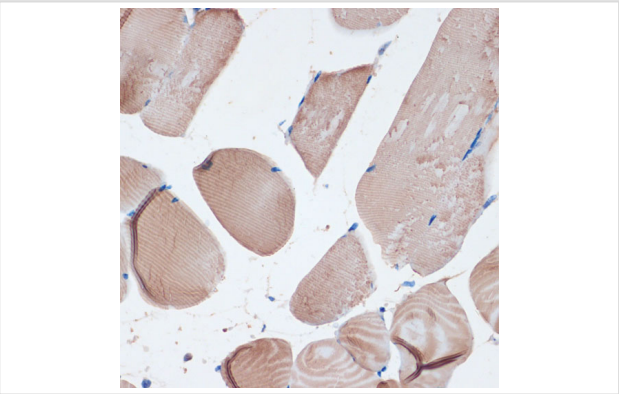
Immunofluorescence analysis of rat skeletal muscle using MYH7 at dilution of 1:100. Blue: DAPI for nuclear staining.



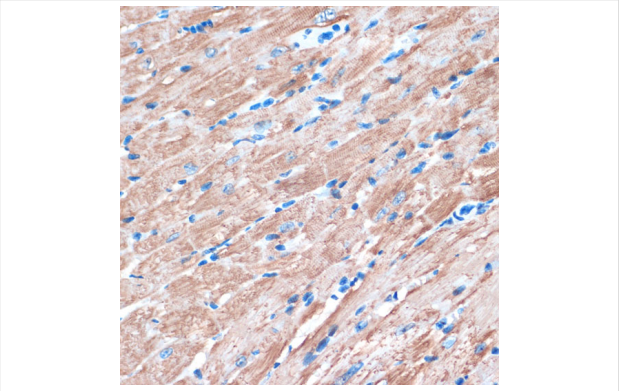
Western blot analysis of extracts of rat heart, using MYH7 at 1:1000 dilution.



Western blot analysis of extracts of various cell lines, using MYH7 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded mouse skeletal muscle using MYH7 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using MYH7 at dilution of 1:100 (40x lens).

Background

Muscle myosin is a hexameric protein containing 2 heavy chain subunits, 2 alkali light chain subunits, and 2 regulatory light chain subunits. This gene encodes the beta (or slow) heavy chain subunit of cardiac myosin. It is expressed predominantly in normal human ventricle. It is also expressed in skeletal muscle tissues rich in slow-twitch type I muscle fibers. Changes in the relative abundance of this protein and the alpha (or fast) heavy subunit of cardiac myosin correlate with the contractile velocity of cardiac muscle. Its expression is also altered during thyroid hormone depletion and hemodynamic overloading. Mutations in this gene are associated with familial hypertrophic cardiomyopathy, myosin storage myopathy, dilated cardiomyopathy, and Laing early-onset distal myopathy.

Note: This product is for in vitro research use only