For Research Use Only

MYH2-specific Polyclonal antibody

Catalog Number:55069-1-AP 6 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
55069-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_017534

GeneID (NCBI):
4620

UNIPROT ID:
Q9UKX2

Full Name:
myosin, heavy chain 2, skeletal muscle, adult

Calculated MW:
223 kDa

Observed MW:
200 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:20-1:200

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human

Cited Species:
mouse, rat, pig, canine

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : multi-cells/tissue, HSkMC cells, human skeletal muscle tissue

IHC : human skeletal muscle tissue, human bladder tissue

Background Information

MYH2 (Myosin II) is a member of the class II or conventional myosin heavy chains. Myosin II was first isolated from muscle but is also found in non muscle cells, and it is especially enriched in highly motile cell types such as amoebae. It forms bipolar filaments that interact with actin filaments to produce contraction. And it is the motor protein that generates force to drive muscle contraction. Functions in skeletal muscle contraction. The antibody is specific to MYH2, will not bind other myosins. It is a skeletal muscle specific antibody.

Notable Publications

Author	Pubmed ID	Journal	Application
Xueqiao Wang	36555347	Int J Mol Sci	WB
Wei Xie	41077888	FASEB J	WB
Shuang Li	39992578	J Muscle Res Cell Motil	WB

Storage

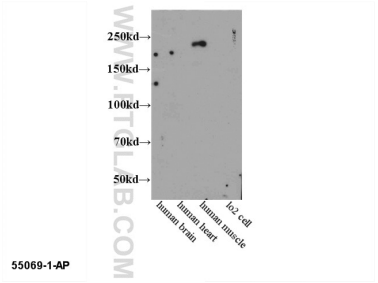
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

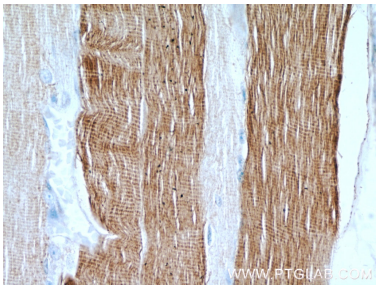
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

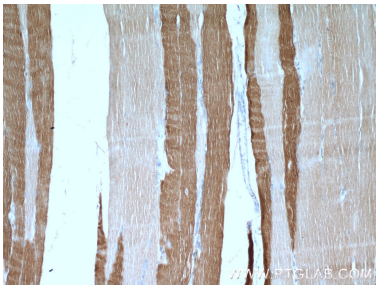
Selected Validation Data



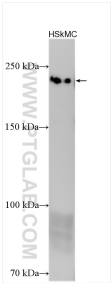
WB results of 55069-1-AP (anti-MYH2).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 55069-1-AP (MYH2 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 55069-1-AP (MYH2 antibody) at dilution of 1:50 (under 10x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 55069-1-AP (MYH2-specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.