

For Research Use Only

MYH2-specific Polyclonal antibody

Catalog Number: 55069-1-AP

4 Publications



Basic Information

Catalog Number:

55069-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_017534

GeneID (NCBI):

4620

UNIPROT ID:

Q9UIK2

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
Cezary Osiak-Wicha	39765480	Animals (Basel)	IHC
Chenchen Li	38658807	BMC Genomics	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

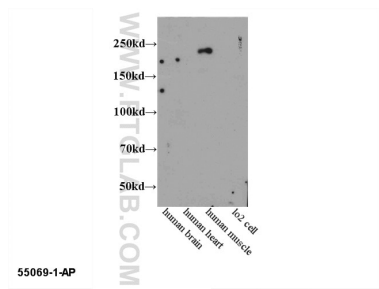
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

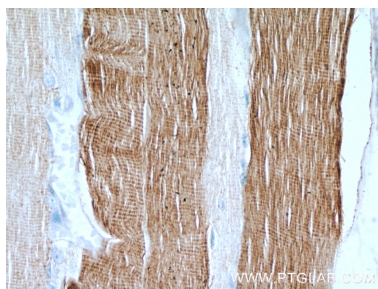
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



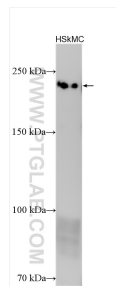
WB results of 55069-1-AP (anti-MYH2).



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.