

MYH1 Monoclonal antibody

Catalog Number: 67299-1-Ig **7 Publications**

Basic Information

Catalog Number:

67299-1-Ig

Size:

1500 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG17129

GenBank Accession Number:

BC114545

GeneID (NCBI):

4619

UNIPROT ID:

P12882

Full Name:

myosin, heavy chain 1, skeletal muscle, adult

Calculated MW:

1939 aa, 223 kDa

Observed MW:

220 kDa

Purification Method:

Protein A purification

CloneNo.:

1G10H9

Recommended Dilutions:

WB 1:20000-1:100000

IHC 1:2000-1:20000

IF-P 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, pig

Cited Species:

human, mouse, pig, chicken

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 : human skeletal muscle tissue, pig skeletal muscle tissue, mouse skeletal muscle tissue

IHC : mouse skeletal muscle tissue, rat skeletal muscle tissue

IF-P : mouse skeletal muscle tissue,

Background Information

MYH1 (MyHC-2x) encodes the IIX isoform of myosin heavy chain (MyHC). Myosin is a large, ubiquitous, motor protein that generates force through its interaction with actin, thus involving it in a number of cellular processes including cytokinesis, karyokinesis, cell migration, and muscle contraction. Muscle fibers can be divided as type 1 (slow) and type 2 (fast). MYH1 belongs to type 2.

Notable Publications

Author	Pubmed ID	Journal	Application
Lingyu Zhang	35583212	Food Funct	WB
Yu Kakimoto	39003999	Pathol Res Pract	IHC
Haigang Cao	38823637	J Biol Chem	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

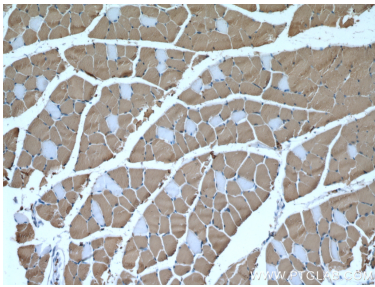
For technical support and original validation data for this product please contact:

T: 4006900926

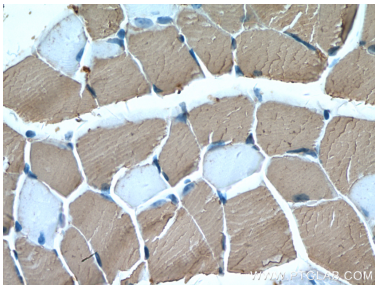
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

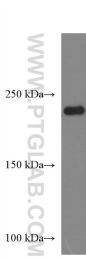
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



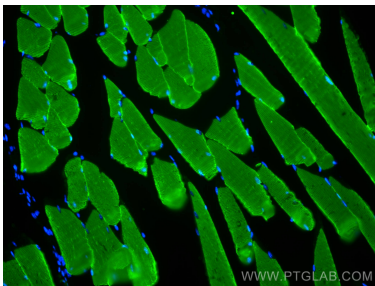
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1 µg human skeletal muscle lysates were subjected to SDS PAGE followed by western blot with 67299-1-Ig (MYH1 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:80000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using MYH1 antibody (67299-1-Ig, Clone: 1G10H9) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).