

For Research Use Only

MYH1 (N-terminal) Polyclonal antibody



Catalog Number: 25182-1-AP

14 Publications

Basic Information

Catalog Number:

25182-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

220-230 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse

Cited Species:

human, chicken, mouse, pig

Positive Controls:

IP: mouse skeletal muscle tissue,

IHC: human skeletal muscle tissue,

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

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
Peiyuan Li	34586803	J Agric Food Chem	WB
Genxi Zhang	33193566	Front Genet	WB
Charlotte Vanden Hole	31600318	PLoS One	IHC

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:

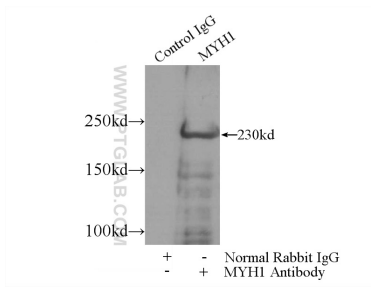
T: 4006900926

E: Proteintech-CN@ptglab.com

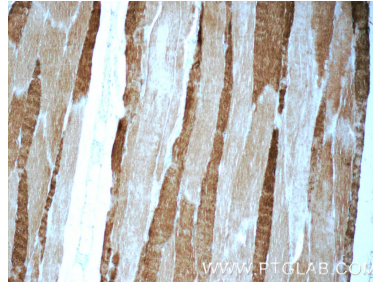
W: ptgcn.com

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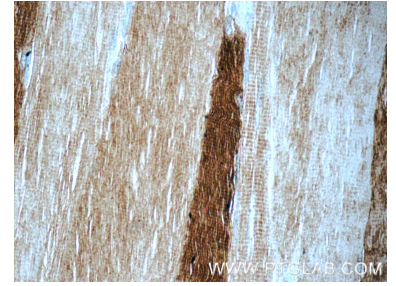
Selected Validation Data



IP result of anti-MYH1 (N-terminal) (IP:25182-1-AP, 5µg; Detection:25182-1-AP 1:1000) with mouse skeletal muscle tissue lysate 4000µg.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25182-1-AP (MYH1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25182-1-AP (MYH1 Antibody) at dilution of 1:50 (under 40x lens).