For Research Use Only

MYH1 (N-terminal) Polyclonal antibody

Catalog Number:25182-1-AP 15 Publications

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Basic Information

Catalog Number:
25182-1-AP

Size:
300 ug/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 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF-P 1:200-1:800

Applications

Tested Applications:
IHC, IF-P, IP, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

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:

IP : mouse skeletal muscle tissue,

IHC : human 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

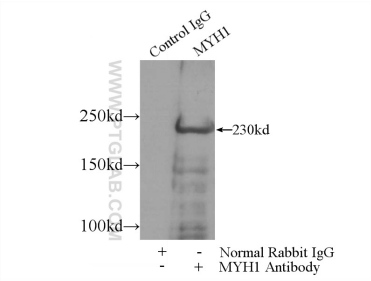
Author	Pubmed ID	Journal	Application
Peiyuan Li	34586803	J Agric Food Chem	WB
Genxi Zhang	33193566	Front Genet	WB
Charlotte Vanden Hole	31600318	PLoS One	IHC

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

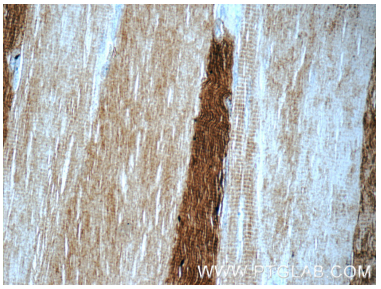
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data

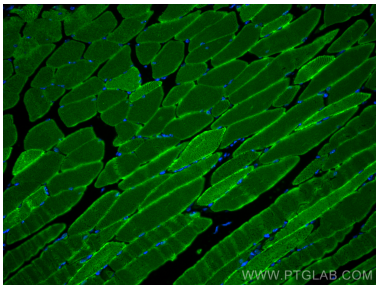


IP result of anti-MYH1 (N-terminal) (IP:25182-1-AP, 5ug; Detection:25182-1-AP 1:1000) with mouse skeletal muscle tissue lysate 4000ug.

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).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skeletal muscle tissue using MYH1 (N-terminal) antibody (25182-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).