

For Research Use Only

# MYH1 (N-terminal) Polyclonal antibody

Catalog Number: 25182-1-AP

15 Publications



## Basic Information

### Catalog Number:

25182-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

### 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

\*\*\* 20ul sizes contain 0.1% BSA

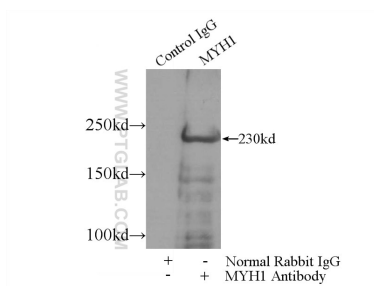
For technical support and original validation data for this product please contact:

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

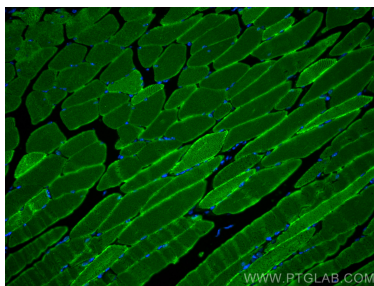
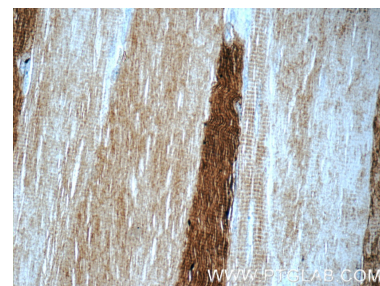
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



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.



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).