

For Research Use Only

# MYOM1-Specific Polyclonal antibody

Catalog Number: 20360-1-AP

5 Publications



## Basic Information

### Catalog Number:

20360-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_003803

### GeneID (NCBI):

8736

### UNIPROT ID:

P52179

### Full Name:

myomesin 1, 185kDa

### Calculated MW:

188 kDa

### Observed MW:

190 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF-P 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

### Cited Applications:

WB, IHC, RIP, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse, rat

**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**: mouse heart tissue, mouse skeletal muscle tissue, rat heart tissue, rat skeletal muscle tissue

**IHC**: human skeletal muscle tissue, human heart tissue

**IF-P**: mouse skeletal muscle tissue, mouse heart tissue

**IF/ICC**: C2C12 cells,

## Background Information

MYOM1 is a major component of the vertebrate myofibrillar M band. MYOM1 binds myosin, titin, and light meromyosin. This binding is dose-dependent. The antibody is specific to MYOM1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kosmas Kosmas	36142826	Int J Mol Sci	IF
Xiaoli Zhang, Ze	34622152	iScience	WB, RIP
Catarina Rippe	28465505	Sci Rep	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

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

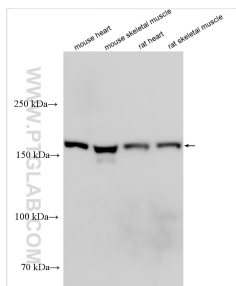
For technical support and original validation data for this product please contact:

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

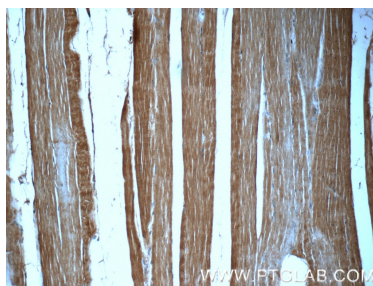
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

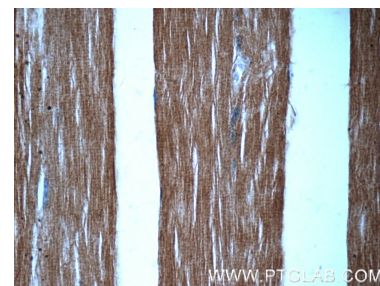
## Selected Validation Data



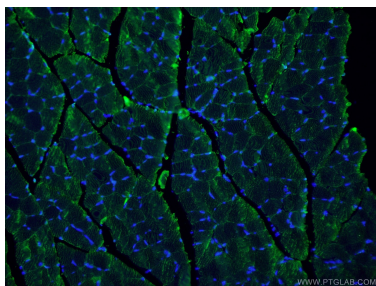
Various lysates were subjected to SDS PAGE followed by western blot with 20360-1-AP (MYOM1-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



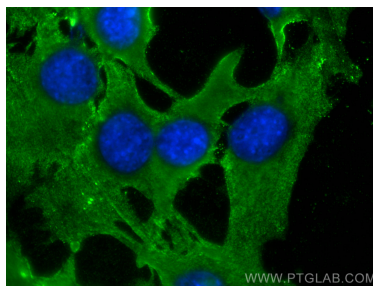
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 20360-1-AP (MYOM1-Specific Antibody) at dilution of 1:50 (under 10x lens).



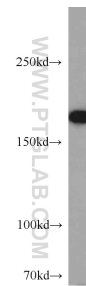
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 20360-1-AP (MYOM1-Specific Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using 20360-1-AP (MYOM1-Specific antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using MYOM1-Specific antibody (20360-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 20360-1-AP (MYOM1-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.