

For Research Use Only

# MYH4-Specific Polyclonal antibody

Catalog Number: 20140-1-AP

36 Publications



## Basic Information

### Catalog Number:

20140-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_017533

### GeneID (NCBI):

4622

### UNIPROT ID:

Q9Y623

### Full Name:

myosin, heavy chain 4, skeletal muscle

### Calculated MW:

223 kDa

### Observed MW:

230 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF-P 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig, canine

**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 skeletal muscle tissue, human skeletal muscle tissue, rat skeletal muscle tissue

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

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

## Background Information

Myosin is one of the most important skeletal muscle proteins. MYH4 functions muscle contraction. The antibody is specific to MYH4.

## Notable Publications

Author	Pubmed ID	Journal	Application
Peiyuan Li	34586803	J Agric Food Chem	WB
Sung Ji Yun	25201081	Biochim Biophys Acta	WB
Qin He	33330599	Front Nutr	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

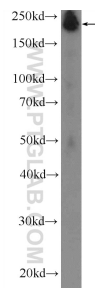
For technical support and original validation data for this product please contact:

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

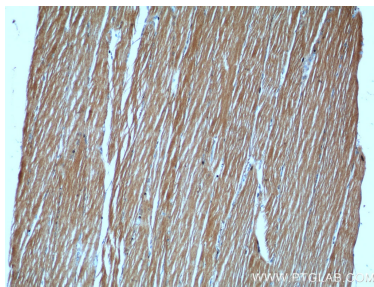
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

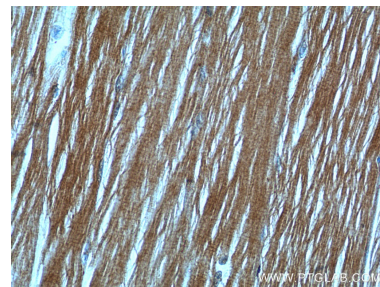
## Selected Validation Data



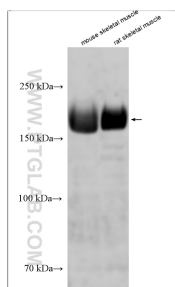
human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 20140-1-AP (MYH4-Specific Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



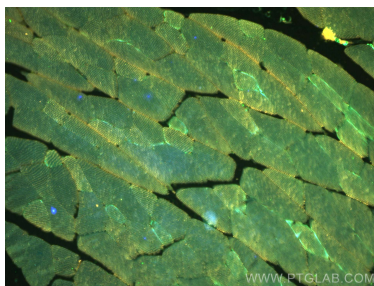
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 20140-1-AP (MYH4-Specific Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 20140-1-AP (MYH4-Specific Antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 20140-1-AP (MYH4-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using MYH4-Specific antibody (20140-1-AP) at dilution of 1:200, MYH2-specific antibody (55069-1-AP, green), MYH7-specific antibody (22280-1-AP, blue).