

# MYO18A Polyclonal antibody

Catalog Number: 14611-1-AP

Featured Product

18 Publications

## Basic Information

## Catalog Number:

14611-1-AP

## Concentration:

500 ug/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG6185

## GenBank Accession Number:

BC039612

## GeneID (NCBI):

399687

## UNIPROT ID:

Q92614

## Full Name:

myosin XVIII A

## Calculated MW:

233 kDa

## Observed MW:

230 kDa, 190 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

## Applications

## Tested Applications:

WB, IHC, IP, ELISA

## Cited Applications:

WB, IHC, IF, FC (Intra)

## Species Specificity:

human, mouse, rat

## Cited Species:

human, 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:** Jurkat cells, HeLa cells, K-562 cells, Neuro-2a cells, NIH/3T3 cells

**IP:** HeLa cells,

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

## Background Information

MYO18A is an unconventional myosin that may play a role in the stabilization and organization of the actin cytoskeleton. Recently MYO18A has been identified as the receptor of SP and is responsible for clearance of SP-A-opsinized bacteria in in vivo infection. Two different isoforms of mouse Myo18A have been identified: Myo18A-alpha and Myo18A-beta as 230- and 190-kDa proteins, respectively. Myo18a-alpha colocalizes with the ER-Golgi complex and with membrane ruffles and filopodia, while Myo18a-beta localizes diffusely to the cytoplasm.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaochao Tan	32931483	J Clin Invest	WB
Pierre M Jean Beltran	27641956	Cell Syst	WB, IF
Eric Yau	34735924	Immunobiology	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

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

T: 4006900926

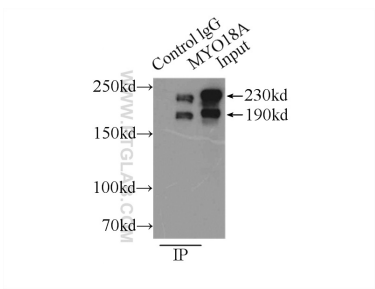
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

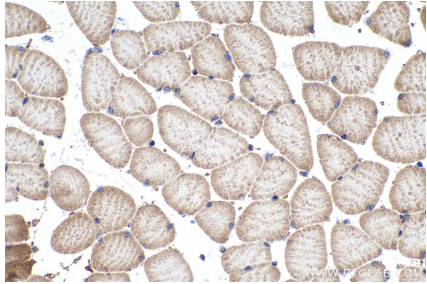
Selected Validation Data



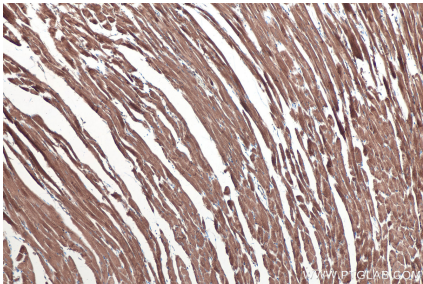
Jurkat cells were subjected to SDS PAGE followed by western blot with 14611-1-AP (MYO18A antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



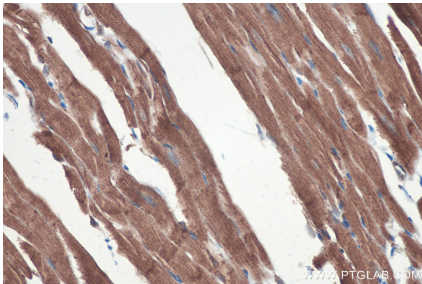
IP result of anti-MYO18A (IP:14611-1-AP, 3ug; Detection:14611-1-AP 1:300) with HeLa cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 14611-1-AP (MYO18A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 14611-1-AP (MYO18A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 14611-1-AP (MYO18A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).