

For Research Use Only

MYO18A Polyclonal antibody

Catalog Number: 14611-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

14611-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

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

*** 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)

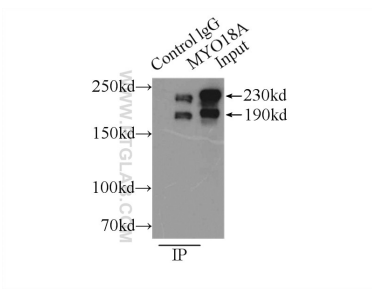
E: proteintech@ptglab.com
W: ptglab.com

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

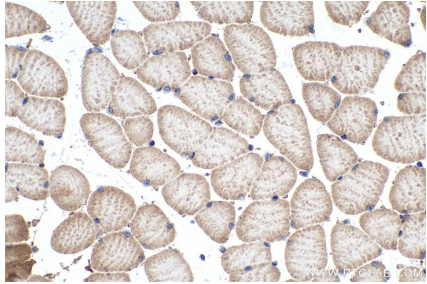
Selected Validation Data



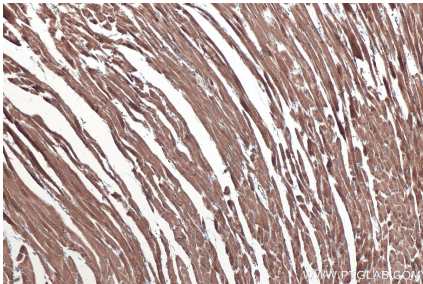
Jurkat cells were subjected to SDS PAGE followed by western blot with 14611-1-AP (MYO18A antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



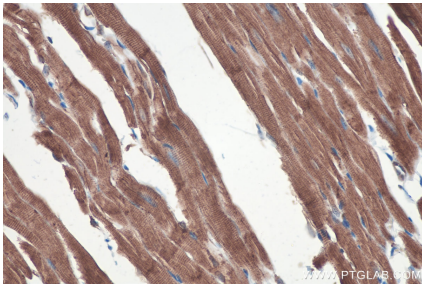
IP result of anti-MYO18A (IP:14611-1-AP, 3ug; Detection:14611-1-AP 1:300) with HeLa cells lysate 3000ug.



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).