

For Research Use Only

MYPN-Specific Polyclonal antibody

Catalog Number: 16180-1-AP

1 Publications



Basic Information

Catalog Number:

16180-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_032578

GeneID (NCBI):

84665

UNIPROT ID:

Q86TC9

Full Name:

myopalladin

Calculated MW:

145 kDa

Observed MW:

145 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

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 : HeLa cells,

IHC : human skeletal muscle tissue, human heart tissue

IF/ICC : HepG2 cells,

Background Information

MYPN is a component of the sarcomere that tethers nebulin in skeletal muscle and nebulin in cardiac muscle to alpha-actinin at the Z lines (from OMIM). Myopalladin and palladin share C-terminal fragment in sequence. While myopalladin are most abundant in skeletal and cardiac muscle, palladin is ubiquitously expressed in the organs of developing vertebrates. This antibody is specific to myopalladin.

Notable Publications

Author	Pubmed ID	Journal	Application
Hexiao Shen	30718521	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

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

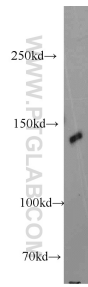
T: 4006900926

E: Proteintech-CN@ptglab.com

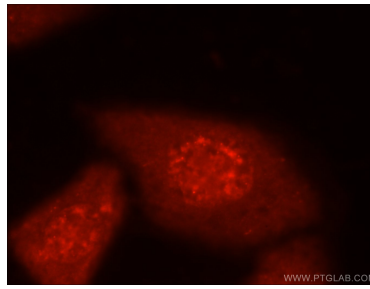
W: ptgcn.com

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

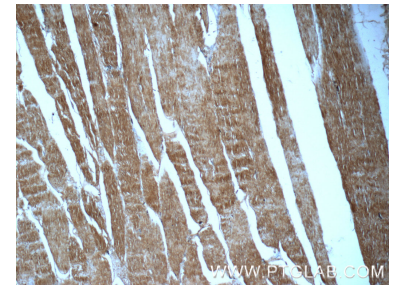
Selected Validation Data



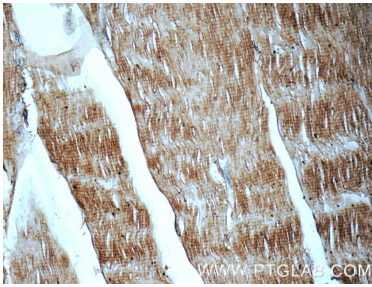
HeLa cells were subjected to SDS PAGE followed by western blot with 16180-1-AP (MYPN-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 16180-1-AP (MYPN-Specific antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 16180-1-AP (MYPN-Specific Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 16180-1-AP (MYPN-Specific Antibody) at dilution of 1:50 (under 40x lens).