

For Research Use Only

LMOD3 Polyclonal antibody

Catalog Number: 14948-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

14948-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6758

GenBank Accession Number:

BC039202

GeneID (NCBI):

56203

UNIPROT ID:

Q0VAK6

Full Name:

leiomodin 3 (fetal)

Calculated MW:

65 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, zebrafish, xenopus

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, mouse heart tissue, rat skeletal muscle tissue

IP : mouse skeletal muscle tissue,

IHC : human heart tissue, human skeletal muscle tissue

Background Information

The gene encoding LMOD3 has not been characterized so far and very limited information of its function has been reported. Nanda et al. found that the expression of mouse LMOD3 mRNA is restricted largely to cardiac and skeletal muscle through RT-PCR analysis (PMID: 22157009). Two isoforms of LMOD3 may exist due to the alternative splicing, whose molecular weights are predicted as 65 kDa and 40 kDa, respectively (Uniprot). This antibody was raised against the N-terminal region of human LMOD3. It detects a double bands around 80 kDa and 65 kDa in heart and skeletal muscle lysates. The reason causing the discrepancy between the predicted and observed molecular weight is not clear.

Notable Publications

Author	Pubmed ID	Journal	Application
Michaela Yuen	25250574	J Clin Invest	WB, IF
Tongbin Wu	29078393	Proc Natl Acad Sci U S A	WB
Christopher T Pappas	26487682	Proc Natl Acad Sci U S A	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:

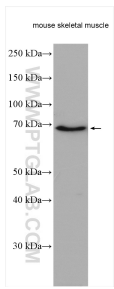
T: 4006900926

E: Proteintech-CN@ptglab.com

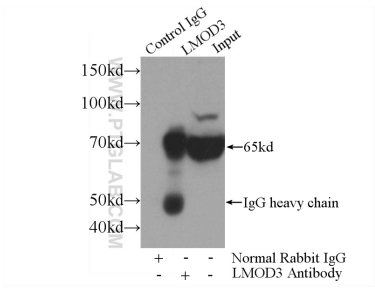
W: ptgcn.com

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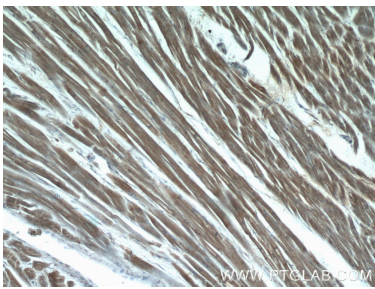
Selected Validation Data



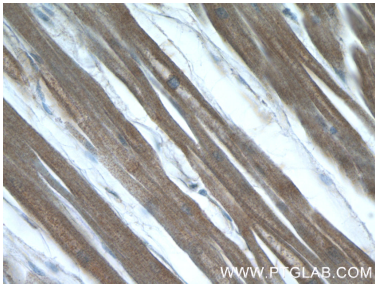
Mouse skeletal muscle lysates were subjected to SDS PAGE followed by western blot with 14948-1-AP (LMOD3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-LMOD3 (IP:14948-1-AP, 4ug; Detection:14948-1-AP 1:700) with mouse skeletal muscle tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14948-1-AP (LMOD3 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14948-1-AP (LMOD3 Antibody) at dilution of 1:50 (under 40x lens).