

For Research Use Only

LMOD1 Polyclonal antibody

Catalog Number: 15117-1-AP

Featured Product

22 Publications



Basic Information

Catalog Number:

15117-1-AP

Concentration:

750 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7176

GenBank Accession Number:

BC001755

GeneID (NCBI):

25802

UNIPROT ID:

P29536

Full Name:

leiomodin 1 (smooth muscle)

Calculated MW:

67 kDa

Observed MW:

85 kDa, 64 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF-P 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

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 : mouse bladder tissue, mouse uterus tissue, HT-29 cells

IHC : human colon tissue,

IF-P : mouse heart tissue,

Background Information

LMOD1 was initially identified as a 64-kDa autoantigen in an expression screen with sera from patients with Hashimoto's thyroiditis. Recently immunohistochemistry and immunoblotting of LMOD1 demonstrated its highly restrictive pattern of expression in SMC lineages, like adult aorta, and bladder. LMOD1 is also shown to exhibit an embryonic and adult expression pattern. These data identify LMOD1 as a new SMC-restricted gene associated with the SMC differentiated phenotype.

Notable Publications

Author	Pubmed ID	Journal	Application
Hui Cai	36264152	Neurogastroenterol Motil	IHC
Tory P Johnson	28202777	Sci Transl Med	IF
Shreya Gupta	36505365	Front Cardiovasc Med	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

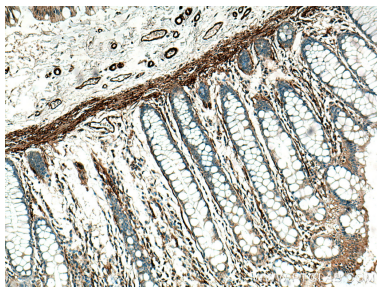
T: 4006900926

E: Proteintech-CN@ptglab.com

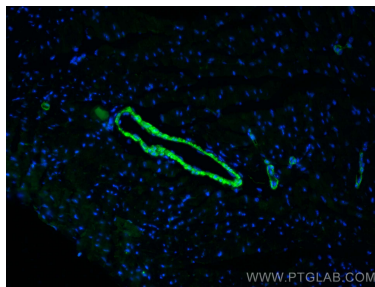
W: ptgcn.com

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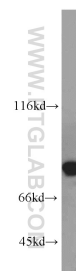
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15117-1-AP (LMOD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using LMOD1 antibody (15117-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse bladder tissue were subjected to SDS PAGE followed by western blot with 15117-1-AP (LMOD1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.