

For Research Use Only

OLR1/LOX1 Polyclonal antibody

Catalog Number: 11837-1-AP

Featured Product

41 Publications



Basic Information

Catalog Number:

11837-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2437

GenBank Accession Number:

BC022295

GeneID (NCBI):

4973

UNIPROT ID:

P78380

Full Name:

oxidized low density lipoprotein (lectin-like) receptor 1

Calculated MW:

273 aa, 31 kDa

Observed MW:

50-55 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 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse

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 : bEnd.3 cells, human liver tissue

IP : L02 cells,

IHC : human heart tissue, human placenta tissue

Background Information

OLR1/LOX-1 acts as a receptor, in the form of homodimer, that mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein (oxLDL) (PMID: 9052782, 15695803). OLR1 is predominantly expressed in endothelial cells and vascular-rich organs such as the placenta, lung, liver, and brain (PMID: 9828121). OLR1 is a protein containing 273 amino acids with a calculated molecular mass of 31 kDa but an apparent molecular mass of 50 kDa, which may result from the glycosylation of four potential N-linked glycosylation sites located at the C-terminal domain (PMID: 9052782).

Notable Publications

Author	Pubmed ID	Journal	Application
Meng Zhang	28961281	PLoS One	WB,IHC
Ivan Cokic	36302906	Nat Commun	WB
Qian Zhang	31655342	Int Immunopharmacol	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

*** 20ul sizes contain 0.1% BSA

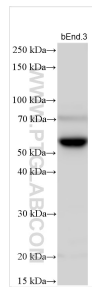
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

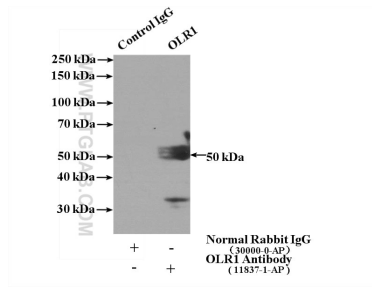
E: proteintech@ptglab.com
W: ptglab.com

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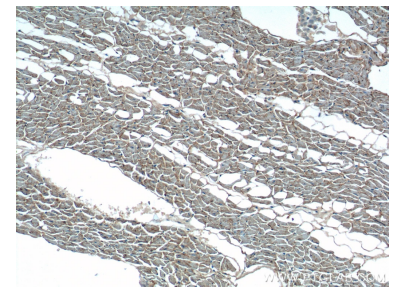
Selected Validation Data



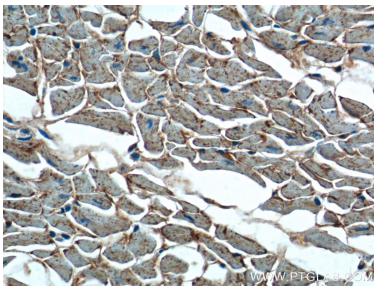
bEnd.3 cells were subjected to SDS PAGE followed by western blot with 11837-1-AP (OLR1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-OLR1 (IP:11837-1-AP, 4ug; Detection:11837-1-AP 1:800) with L02 cells lysate 1800ug.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 11837-1-AP (OLR1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 11837-1-AP (OLR1 Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 11837-1-AP (OLR1/LOX1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).