

For Research Use Only

# OLR1 Polyclonal antibody

Catalog Number: 11837-1-AP

Featured Product

38 Publications



## Basic Information

**Catalog Number:**

11837-1-AP

**Size:**

750 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

FC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC, 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,

## 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

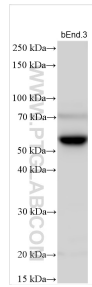
T: 4006900926

E: Proteintech-CN@ptglab.com

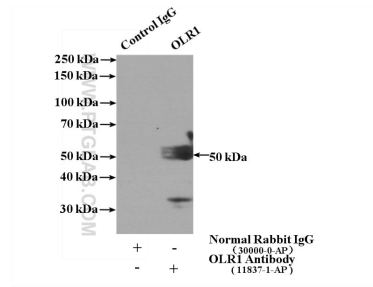
W: ptgcn.com

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

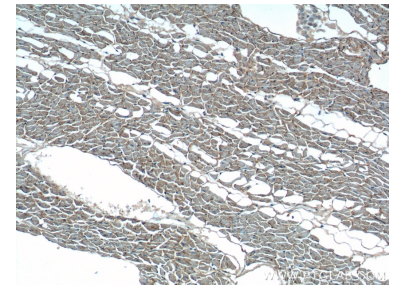
## Selected Validation Data



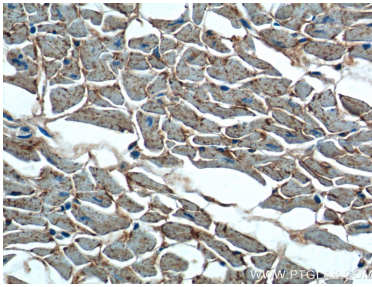
bEnd.3 cells were subjected to SDS PAGE followed by western blot with 11837-1-AP (OLR1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



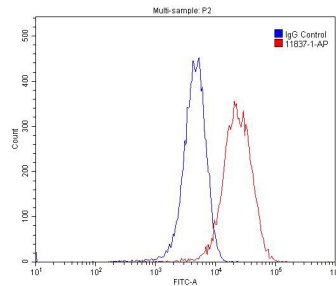
IP result of anti-OLR1 (IP:11837-1-AP, 4ug; Detection:11837-1-AP 1:800) with L02 cells lysate 1800ug.



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).



1x10<sup>6</sup> HUVEC cells were stained with 0.2ug OLR1 antibody (11837-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.