

For Research Use Only

# OLR1 Polyclonal antibody

Catalog Number: 11837-1-AP

Featured Product

38 Publications



## Basic Information

<b>Catalog Number:</b> 11837-1-AP	<b>GenBank Accession Number:</b> BC022295	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 460 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4973	<b>Recommended Dilutions:</b> 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
<b>Source:</b> Rabbit	<b>Full Name:</b> oxidized low density lipoprotein (lectin-like) receptor 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 273 aa, 31 kDa	
<b>Immunogen Catalog Number:</b> AG2437	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> FC, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : bEnd.3 cells, human liver tissue IP : L02 cells, IHC : human heart tissue,
<b>Cited Applications:</b> CoIP, IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

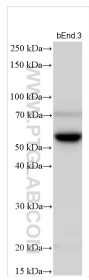
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

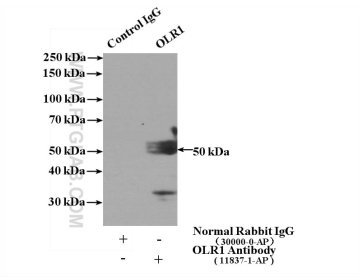
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

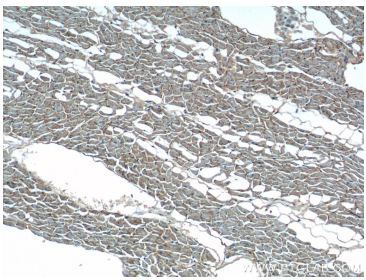
Selected Validation Data



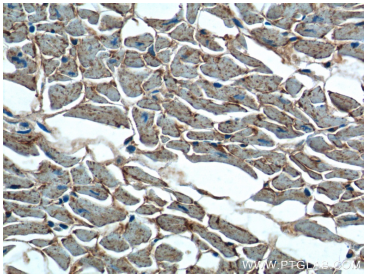
bEnd.3 cells were subjected to SDS PAGE followed by western blot with 11837-1-AP (OLR1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



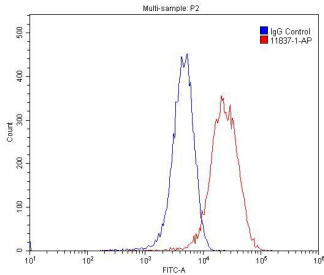
IP Result of anti-OLR1 (IP:11837-1-AP, 4ug; Detection:11837-1-AP 1:800) with L02 cells lysate 1800ug.



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.