

For Research Use Only

# OLR1/LOX1 Polyclonal antibody

Catalog Number:32685-1-AP



## Basic Information

<b>Catalog Number:</b> 32685-1-AP	<b>GenBank Accession Number:</b> NM_138648.2	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 470 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 108078	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000 IHC: 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9EQ09	
<b>Isotype:</b> IgG	<b>Full Name:</b> oxidized low density lipoprotein (lectin-like) receptor 1	
<b>Immunogen Catalog Number:</b> EG2473	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 65-70 kDa, 37 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

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 : mouse lung tissue, PNGF treated mouse lung tissue

IHC : mouse 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/LOX1 is predominantly expressed in endothelial cells and vascular-rich organs such as the placenta, lung, liver, and brain (PMID: 9828121). Mouse OLR1/LOX1 is type II transmembrane protein containing 363 amino acids and has a cytoplasmic N-terminus and an extracellular C-terminus comprising the neck domain and the ligand-binding domain (CTLD) (PMID: 9588202). The molecular mass of mouse OLR1/LOX-1 at 65-70 kDa may be a fully glycosylated form, which is reduced to approximately 37 kDa after treatment with the deglycosylase PNGase.

## 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

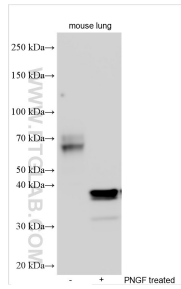
For technical support and original validation data for this product please contact:

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

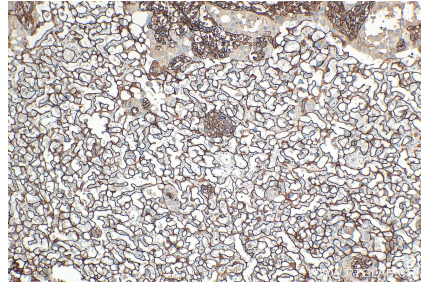
E: proteintech@ptglab.com  
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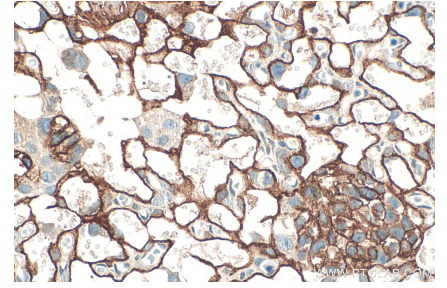
## Selected Validation Data



Non-treated mouse lung and PNGF treated mouse lung tissue were subjected to SDS PAGE followed by western blot with 32685-1-AP (OLR1/LOX1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 32685-1-AP (OLR1/LOX1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 32685-1-AP (OLR1/LOX1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).