

For Research Use Only

OLR1/LOX1 Polyclonal antibody

Catalog Number:32685-1-AP



Basic Information

Catalog Number: 32685-1-AP	GenBank Accession Number: NM_138648.2	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 108078	Recommended Dilutions: WB: 1:1000-1:8000 IHC: 1:200-1:800
Isotype: IgG	UNIPROT ID: Q9EQ09	
Immunogen Catalog Number: EG2473	Full Name: oxidized low density lipoprotein (lectin-like) receptor 1	
	Calculated MW: 42 kDa	
	Observed MW: 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

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

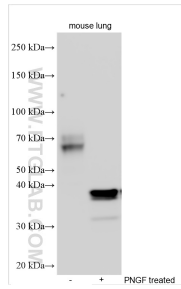
T: 4006900926

E: Proteintech-CN@ptglab.com

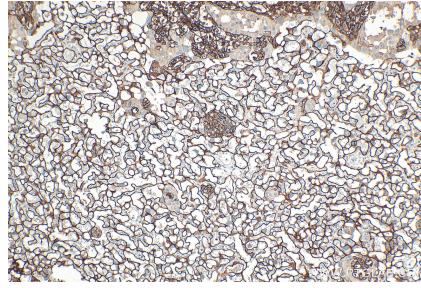
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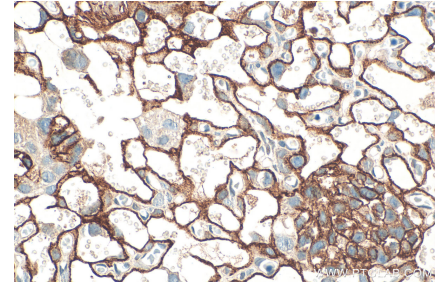
Selected Validation Data



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).