OLR1
Polyclonal ANTIBODY

Catalog Number: 11837-1-AP

Basic Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>11837-1-AP</td>
</tr>
<tr>
<td>GenBank Accession Number</td>
<td>BC022295</td>
</tr>
<tr>
<td>GeneID (NCBI)</td>
<td>4973</td>
</tr>
<tr>
<td>Full Name</td>
<td>oxidized low density lipoprotein (lectin-like) receptor 1</td>
</tr>
<tr>
<td>Calculated MW</td>
<td>273aa, 31 kDa</td>
</tr>
<tr>
<td>Observed MW</td>
<td>48-52 kDa</td>
</tr>
</tbody>
</table>

Size: 69 μg/150 μl

Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG2437

GenBank Accession Number: BC022295

GenetD (NCBI): 4973

Full Name: oxidized low density lipoprotein (lectin-like) receptor 1

Basic 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 placenta, lung, liver and brain (PMID: 9828121). OLR1 is a protein containing 273 amino acids with the calculated molecular mass of 31 kDa but an apparent molecular mass of 50 kDa, which may result from glycosylation of four potential N-linked glycosylation sites located at C-terminal domain (PMID: 9052782).

Applications

Tested Applications: FC, IHC, IP, WB, ELISA

Cited Applications: IHC, WB

Species Specificity: human

Cited Species: human, mouse

Positive Controls:

WB: human liver tissue;
IP: L02 cells;
IHC: human heart tissue;

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meng Zhang</td>
<td>28961281</td>
<td>PLoS One</td>
<td>WB, IHC</td>
</tr>
<tr>
<td>Qian Zhang</td>
<td>31655342</td>
<td>Int Immunopharmacol</td>
<td>WB</td>
</tr>
<tr>
<td>Jie Zhang</td>
<td>29168159</td>
<td>Cell Oncol (Dordr)</td>
<td>WB, IHC</td>
</tr>
</tbody>
</table>

Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer: PBS with 0.1% 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: 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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human liver tissue were subjected to SDS PAGE followed by western blot with 11837-1-AP(OLR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.


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

1X10^6 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.

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