

Datasheet for ABIN7162378
anti-OLR1 antibody (AA 58-273)



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4 Images

Overview

Quantity:	100 µg
Target:	OLR1
Binding Specificity:	AA 58-273
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OLR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Oxidized low-density lipoprotein receptor 1 protein (58-273AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	OLR1
Alternative Name:	OLR1 (OLR1 Products)
Background:	Background: Receptor that mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. OxLDL is a

Target Details

marker of atherosclerosis that induces vascular endothelial cell activation and dysfunction, resulting in pro-inflammatory responses, pro-oxidative conditions and apoptosis. Its association with oxLDL induces the activation of NF-kappa-B through an increased production of intracellular reactive oxygen and a variety of pro-atherogenic cellular responses including a reduction of nitric oxide (NO) release, monocyte adhesion and apoptosis. In addition to binding oxLDL, it acts as a receptor for the HSP70 protein involved in antigen cross-presentation to naive T-cells in dendritic cells, thereby participating in cell-mediated antigen cross-presentation. Also involved in inflammatory process, by acting as a leukocyte-adhesion molecule at the vascular interface in endotoxin-induced inflammation. Also acts as a receptor for advanced glycation end (AGE) products, activated platelets, monocytes, apoptotic cells and both Gram-negative and Gram-positive bacteria.

Aliases: C-type lectin domain family 8 member A antibody, CLEC8A antibody, hLOX 1 antibody, hLOX-1 antibody, Lectin like oxidized LDL receptor 1 antibody, Lectin like oxLDL receptor 1 antibody, Lectin type oxidized LDL receptor 1 antibody, Lectin-like oxidized LDL receptor 1 antibody, Lectin-like oxLDL receptor 1 antibody, Lectin-type oxidized LDL receptor 1 antibody, low density lipoprotein oxidized, receptor 1 antibody, LOX-1 antibody, LOXIN antibody, Olr1 antibody, OLR1_HUMAN antibody, Ox LDL receptor 1 antibody, Ox-LDL receptor 1 antibody, Oxidised low density lipoprotein (lectin like) receptor 1 antibody, Oxidized low density lipoprotein receptor 1 antibody, Oxidized low density lipoprotein receptor 1 soluble form antibody, Oxidized low-density lipoprotein receptor 1 antibody, OxLDL receptor 1 antibody, SCARE1 antibody, Scavenger receptor class E, member 1 antibody, SLOX1 antibody, soluble form antibody, SR-EI antibody

UniProt: [P78380](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:1000-1:2000, IF:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

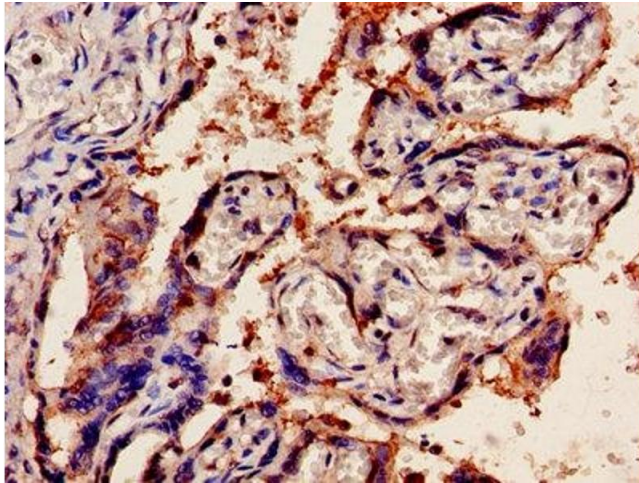
Handling

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

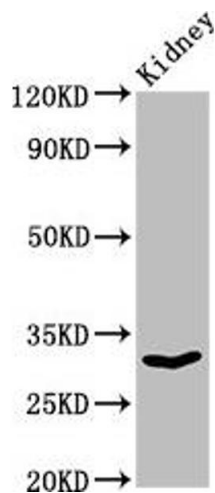
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



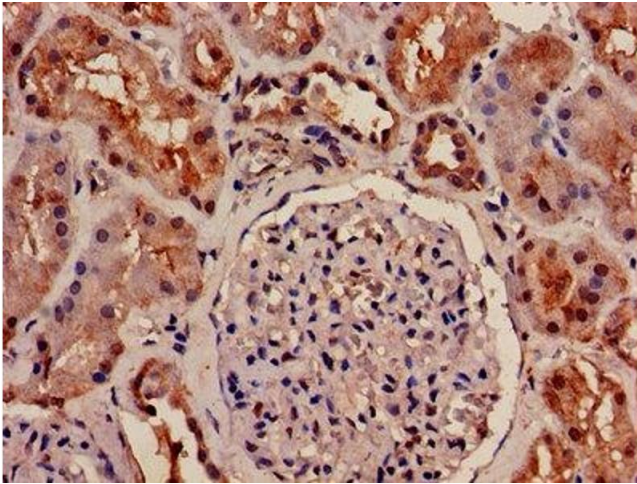
Immunohistochemistry

Image 1. IHC image of ABIN7162378 diluted at 1:1200 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat kidney tissue All lanes: OLR1 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 31, 21, 22 kDa Observed band size: 31 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7162378 diluted at 1:1200 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7162378.