

Rabbit anti-Human Oxidized low-density lipoprotein receptor 1 protein Polyclonal Antibody | anti-OLR1 antibody

Rabbit anti-Human Oxidized low-density lipoprotein receptor 1 protein polyclonal Antibody

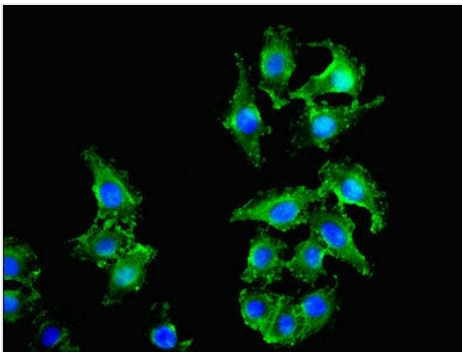
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229574	Rabbit	Human	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

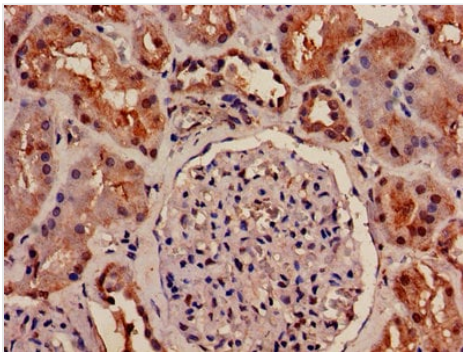
Oxidized low-density lipoprotein receptor 1 protein; Polyclonal Antibody; Rabbit anti-Human Oxidized low-density lipoprotein receptor 1 protein polyclonal Antibody; C-type lectin domain family 8 member A; Lectin-like oxidized LDL receptor 1; Lectin-type oxidized LDL receptor 1; OLR1; CLEC8A; LOX1; anti-OLR1 antibody

PRODUCT SPECIFICATIONS

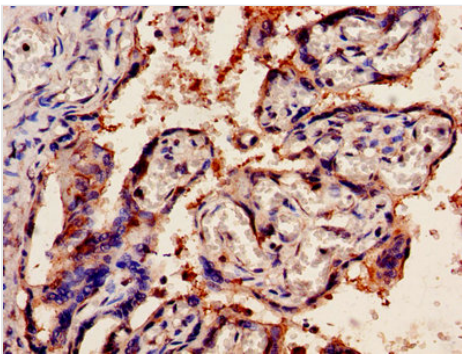
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	181
Applicable Applications for anti-OLR1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Oxidized low-density lipoprotein receptor 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-11650 / sc-11648 / sc-20753
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.



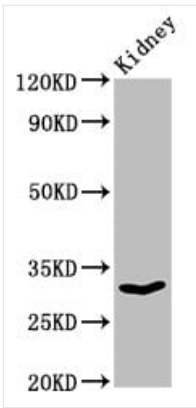
IF (Immunofluorescence)
Immunofluorescent analysis of A549 cells using AAA229574 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
IHC image of AAA229574 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
IHC image of AAA229574 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)
Western BlotPositive WB detected in: Rat kidney tissueAll lanes: OLR1 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 31,21,22 KDaObserved band size: 31 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-OLR1 antibody	Receptor that mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. OxLDL is a 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. This gene encodes a receptor protein which belongs to the C-type lectin superfamily. This gene is regulated through the cyclic AMP signaling pathway. The encoded protein binds, internalizes and degrades oxidized low-density lipoprotein. This protein may be involved in the regulation of Fas-induced apoptosis. This protein may play a role as a scavenger receptor. Mutations of this gene have been associated with atherosclerosis, risk of myocardial infarction, and may modify the risk of Alzheimer s disease. Alternative transcript variants have been described but their full-length sequence has not been determined.
Product Categories/Family for anti-OLR1 antibody	Cell adhesion

NCBI AND UNIPROT INFORMATION

NCBI GI #	290654342
NCBI GeneID	4973
NCBI Accession #	NP_001166103.1
NCBI GenBank Nucleotide #	NM_001172632.1
UniProt Accession #	P78380; Q2PP00; Q7Z484; A8K7V9; B4DI48; G3V1I4
Molecular Weight	21,425 Da
NCBI Official Full Name	oxidized low-density lipoprotein receptor 1 isoform 2
NCBI Official Synonym Full Names	oxidized low density lipoprotein (lectin-like) receptor 1
NCBI Official Symbol	OLR1
NCBI Official Synonym Symbols	LOX1; LOXIN; SLOX1; CLEC8A; SCARE1
NCBI Protein Information	oxidized low-density lipoprotein receptor 1
UniProt Protein Name	Oxidized low-density lipoprotein receptor 1
UniProt Gene Name	OLR1
UniProt Synonym Gene Names	CLEC8A; LOX1; Ox-LDL receptor 1; LOX-1; Lectin-like oxLDL receptor 1; hLOX-1
UniProt Entry Name	OLR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/oxidized-low-density-lipoprotein-receptor-1-protein-antibody-immunohistochemistry-elisa/229574>