

Oxidized low-density lipoprotein receptor 1 protein Polyclonal Antibody

Catalog No: #42279

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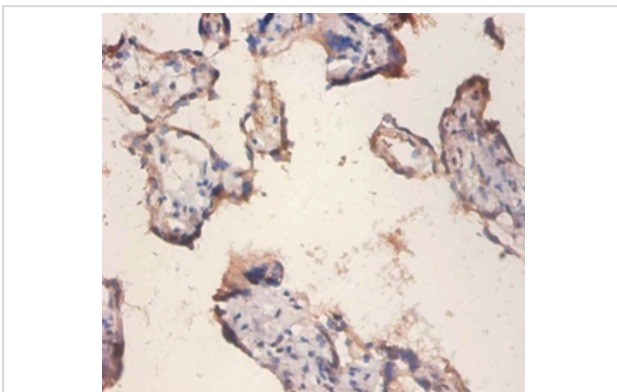
Description

Product Name	Oxidized low-density lipoprotein receptor 1 protein Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Oxidized low-density lipoprotein receptor 1 protein polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant Human Oxidized low-density lipoprotein receptor 1 protein
Target Name	Oxidized low-density lipoprotein receptor 1 protein
Other Names	C-type lectin domain family 8 member A, Lectin-like oxidized LDL receptor 1, Lectin-type oxidized LDL receptor 1, OLR1, CLEC8A, LOX1
Accession No.	Swiss-Prot#: P78380
Uniprot	P78380
GeneID	4973;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human placenta using #42279 at dilution of 1:100.

Background

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.

References

[1] An endothelial receptor for oxidized low-density lipoprotein. Sawamura T., Kume N., Aoyama T., Moriwaki H., Hoshikawa H., Aiba Y., Tanaka T., Miwa S., Katsura Y., Kita T., Masaki T. Nature 386:73-77(1997) [2] Assignment of the human oxidized low-densi

Note: This product is for in vitro research use only