



Anti-OLR1 polyclonal antibody [Biotin] (DPABY-638)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Lectin-like Oxidized Low-density Lipoprotein Receptor 1 (LOX-1), also known as Oxidized Low-density Lipoprotein Receptor 1 (OLR1), is a type II transmembrane receptor belonging to the class E scavenger receptor (SR-E) subfamily of the C-type lectin family. It binds and supports the internalization of multiple structurally unrelated macromolecules. It exists on the cell surface as covalent homodimers, which can further associate into non-covalently-linked oligomers. Cell surface LOX-1 can also be cleaved to release the soluble LOX-1 extracellular domain.
Specificity	Detects mouse LOX-1/OLR1 C-Terminus in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh)LOX-1 and human LDL is observed. In Western blots, approximately 5% cross-reactivity with rhLOX-1 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse LOX-1/OLR1. Arg60-Ile363 Accession Number Q9EQ09
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg

of bovine serum albumin (BSA) per 1 µg of antibody.

Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Olr1 oxidized low density lipoprotein (lectin-like) receptor 1 [Mus musculus (house mouse)]
Official Symbol	OLR1
Synonyms	OLR1; oxidized low density lipoprotein (lectin-like) receptor 1; LOX-1; SR-EI; Scare1; oxidized low-density lipoprotein receptor 1; ox-LDL receptor 1; lectin-like oxLDL receptor 1; lectin-like oxidized LDL receptor 1; lectin-type oxidized LDL receptor 1;
Entrez Gene ID	108078
Protein Refseq	NP_619589
UniProt ID	G4WK10
Chromosome Location	6 F3; 6
Pathway	Cell surface interactions at the vascular wall; Hemostasis; PPAR (Peroxisome proliferator-activated receptor) signaling pathway; PPAR signaling pathway; Phagosome;
Function	carbohydrate binding; low-density lipoprotein receptor activity;