LOX-1 (OLR1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LOX-1 (OLR1), Polyclonal Antibody
Full Product Name	Anti-LOX-1 Antibody, Rabbit Polyclonal
Product Gene Name	anti-OLR1 antibody
Product Synonym Names	OLR1/LOX1 Antibody, Rabbit PAb, Antigen Affinity Purified; oxidized low density lipoprotein (lectin-like) receptor 1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Cynomolgus
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Cynomolgus LOX-1
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
3D Structure	ModBase 3D Structure for G7PJT2
Immunogen	Recombinant Cynomolgus OLR1/LOX1 protein (G7PJT2; Ser61-Gln273). OLR1/LOX1 specific IgG was purified by Cynomolgus OLR1/LOX1 affinity chromatography.
Applications Tested/Suitable for anti-OLR1 antibody	ELISA (EIA)(FAQ Protocol)
Application Notes for anti-OLR1 antibody	ELISA: 1:5000-1:10000
Related Product Information for anti-OLR1 antibody	Oxidized low-density lipoprotein receptor 1 (Ox-LDL receptor 1 or OLR1), also known as lectin-type oxidized LDL receptor 1 (LOX1), is a receptor protein that belongs to the C-type lectin superfamily. LOX1 is a multi-ligand receptor originally identified as the endothelial oxidized LDL receptor. OLR1/LOX1 was isolated from an aortic endothelial cell, and recently it has been discovered in macrophages and vascular smooth muscle cells in artery vessels. The expression of LOX1 is induced by inflammatory stimuli and oxidative stimuli. This protein binds, internalizes, and degrades oxidized low-density lipoprotein. LOX1 may play an important role in the progression of vulnerable carotid plaque and might regulate vulnerable plaque formation in cooperation with MMPs and TIMP-2. In clinical, LOX1 is thought to be involved in the development of atherosclerotic lesions.
Product References and Citations for anti-OLR1 antibody	Hinagat. J. e. al. (2006. Oxidize. LD. recepto. LOX-. i. involve. i. neointima. hyperplasi. afte. balloo. arteria. injur. i. . ra. model. Cardiovas. Res. 6. (1). 263-71.Mela. MA. e. al. (1994. Th. LOX. Gen. o. Arabidopsi. I. Temporall. an. Spatiall. Regulate. i. Germinatin. Seedlings. Plan. Physiol. 10. (1). 385-93.Sait. A. e. al. (2010. Relationshi. betwee. lectin-lik. oxidize. low-densit. lipoprotei. recepto. . expressio. an. preoperativ. echogeni. finding. o. vulnerabl. caroti. plaque. Act. Neurochi. (Wien). 15. (4). 589-95.
Other Notes	Small volumes of anti-OLR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for OLR1 purchase	MBS8126385 is an antibody targeting OLR1. Also known as Anti-LOX-1 Antibody, Rabbit Polyclonal. Reactive in Cynomolgus. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OLR1. It may not necessarily be applicable to this product.

UniProt Primary Accession #	G7PJT2
Protein Family	Oxidized low-density lipoprotein receptor
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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