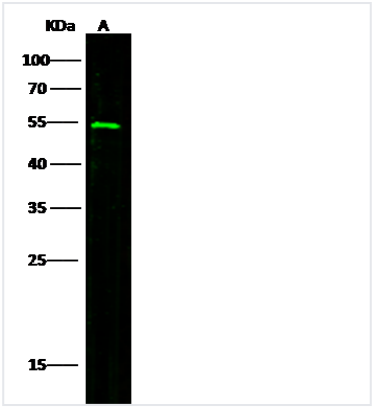
LOX-1 (OLR1) Antibody – Rabbit Polyclonal

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; Anti-OLR1 Antibody
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 OLR1/LOX1
Preparation and Storage	This antibody can be stored at 2-8 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.
3D Structure	ModBase 3D Structure for G7PJT2
Immunogen	Recombinant Cynomolgus OLR1/LOX1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Cynomolgus OLR1/LOX1. OLR1/LOX1 specific IgG was purified by Cynomolgus OLR1/LOX1 affinity chromatography.
Applications Tested/Suitable for anti-OLR1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OLR1 antibody	WB: 1:500-1:1000 ELISA: 1:25,000-1:50,000
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	Hinagata J, et al. (2006) Oxidized LDL receptor LOX-1 is involved in neointimal hyperplasia after balloon arterial injury in a rat model. Cardiovasc Res. 69 (1): 263-71.Melan MA, et al. (1994) The LOX1 Gene of Arabidopsis Is Temporally and Spatially Regulated in Germinating Seedlings. Plant Physiol. 105 (1): 385-93.Saito A, et al. (2010) Relationship between lectin-like oxidized low-density lipoprotein receptor 1 expression and preoperative echogenic findings of vulnerable carotid plaque. Acta Neurochir (Wien). 152 (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	MBS8113218 is an antibody targeting OLR1. Also known as Anti-LOX-1 Antibody, Rabbit Polyclonal. Reactive in Cynomolgus. Host: Rabbit.



Western Blot (WB) of anti-OLR1 antibody
Anti-CRELD1 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size:45 kDa Observed band size:53 kDa

ADDITIONAL DETAILS

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

NCBI Accession #	G7PJT2
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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