

Datasheet for ABIN733148

anti-OxLDL antibody[Go to Product page](#)**1** Image**3** Publications

Overview

Quantity:	100 µL
Target:	OxLDL
Reactivity:	Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OxLDL antibody is un-conjugated
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), ELISA

Product Details

Immunogen:	Full length plasma protein (Human)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

Target Details

Target:	OxLDL
Alternative Name:	ox-LDL (OxLDL Products)
Background:	Synonyms: ox-LDL: Cu2SO4 oxidized low density lipoprotein, oxidized low density lipoprotein, Low density lipoprotein, MDA oxidized LDL, MDA oxidized low density lipoprotein.

Target Details

Background: Low-density lipoprotein (LDL) is the carrier protein for cholesterol in the blood. LDL binds to its receptor on the capillary walls and thereby mediates the uptake and clearance of cholesterol from the circulation. In atherosclerotic lesions oxidatively modified LDL is found and oxidized LDL is specifically recognized and ingested by macrophages via scavenger receptor A and CD36. Oxidized LDL may be a marker of atherosclerosis but the precise changes in oxidized LDL are not well described. Low-density lipoprotein oxidised with Cu2SO4.

Application Details

Application Notes:

- WB 1:300-5000
- ELISA 1:500-1000
- FCM 1:20-100
- IHC-P 1:200-400
- IHC-F 1:100-500
- IF(IHC-P) 1:50-200
- IF(IHC-F) 1:50-200
- IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

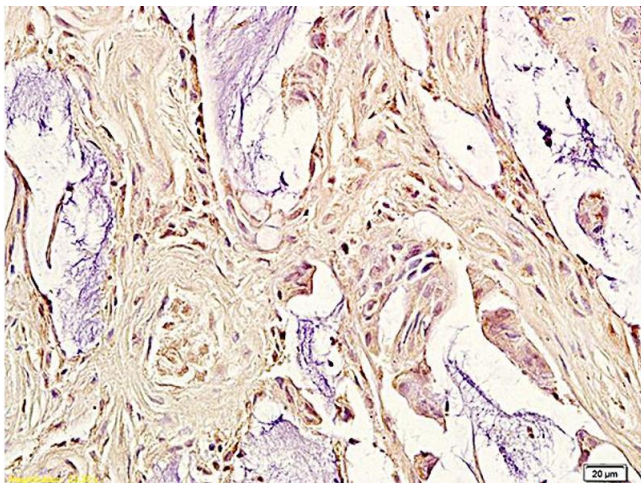
Product cited in: Wang, Li, Zhen, Xu, Sun: "Simvastatin ameliorates renal lipidosis through the suppression of renal CXCL16 expression in mice with adriamycin-induced nephropathy." in: **International**

journal of clinical and experimental pathology, Vol. 8, Issue 12, pp. 15696-707, (2016) ([PubMed](#)).

Martinez, Malireddi, Lu, Cunha, Pelletier, Gingras, Orchard, Guan, Tan, Peng, Kanneganti, Virgin, Green: "Molecular characterization of LC3-associated phagocytosis reveals distinct roles for Rubicon, NOX2 and autophagy proteins." in: **Nature cell biology**, Vol. 17, Issue 7, pp. 893-906, (2015) ([PubMed](#)).

Wen, Liu, Liu, Harris, Yao, Ding, Nie, Lu, Chen, An, Zang, Teng: "OxLDL-targeted iron oxide nanoparticles for in vivo MRI detection of perivascular carotid collar induced atherosclerotic lesions in ApoE-deficient mice." in: **Journal of lipid research**, Vol. 53, Issue 5, pp. 829-38, (2012) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colorectal cancer labeled with Anti-oxLDL Polyclonal Antibody, Unconjugated (ABIN733148) followed by conjugation to the secondary antibody and DAB staining