

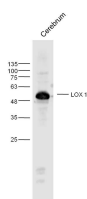
**bs-2044R****[ Primary Antibody ]****Bioss**  
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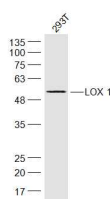
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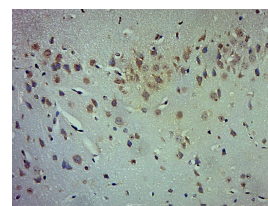
400-901-9800

**LOX 1 Rabbit pAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**Target:** LOX 1**Immunogen:** KLH conjugated synthetic peptide derived from rabbit LOX-1: 201-273/273. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**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.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat, Rabbit  
(predicted: Cow)**Predicted  
MW.:** 31/50 kDa**Subcellular  
Location:** Secreted ,Cell membrane**— VALIDATION IMAGES —**

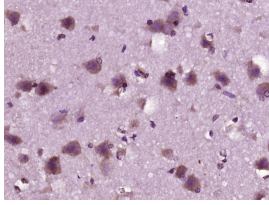
Sample: Cerebrum (Rat) Lysate at 40 ug  
Primary: Anti- LOX1 (bs-2044R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 31/50 kD  
Observed band size: 50 kD



Sample: 293T (Human) Cell Lysate at 30 ug  
Primary: Anti-LOX 1 (bs-2044R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 31/50 kD  
Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LOX 1) Polyclonal Antibody, Unconjugated (bs-2044R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rabbit brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LOX 1) Polyclonal Antibody, Unconjugated (bs-2044R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## — SELECTED CITATIONS —

- **[IF=7.4]** Tingting Hao. et al. Phosphatidylethanolamine alleviates OX-LDL-induced macrophage inflammation by upregulating autophagy and inhibiting NLRP1 inflammasome activation. FREE RADICAL BIO MED. 2023 Nov;208:402 WB ;Fish. 37660837
- **[IF=5.201]** Qian Liet al. LOX-1 Regulates P. gingivalis-Induced Monocyte Migration and Adhesion to Human Umbilical Vein Endothelial Cells. Front Cell Dev Biol . 2020 Jul 14;8:596. WB ;Human. 32793587
- **[IF=4.8]** Yun Sun. et al. Vasicine attenuates atherosclerosis via lipid regulation, inflammation inhibition, and autophagy activation in ApoE—/— mice. INT IMMUNOPHARMACOL. 2024 Dec;142:112996 IF ;Mouse. 39243558
- **[IF=3.8]** Lei Haoyue. et al. LOX-1 regulation of H-type vascular endothelial cell regeneration in hyperglycemia. ACTA DIABETOL. 2024 Jan;;1-10 WB,IF ;Rat. 38244081
- **[IF=3.5]** Haiqi Zhang. et al. Silencing of LOX-1 attenuates high glucose-induced ferroptosis in THVECs via the HIF-1 $\alpha$ /SLC7A11 signaling pathway. EXP CELL RES. 2025 Feb;;114451 WB ;Rat. 40015503