

Product Datasheet

LOX-1/OLR1/LOX Rabbit Polyclonal Antibody (orb402401)

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| Catalog Number | orb402401 |
| Category | Antibodies |
| Description | Anti-LOX-1/OLR1 Antibody. Tested in WB applications. This antibody reacts with Human. |
| Target | Oxidized low-density lipoprotein receptor 1 |
| Clonality | Polyclonal |
| Species/Host | Rabbit |
| Isotype | Rabbit IgG |
| Conjugation | Unconjugated |
| Reactivity | Human |
| Form/Appearance | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. |
| Buffer/Preservatives | Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Reconstitution | Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |
| Purification | Immunogen affinity purified. |

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human LOX-1/OLR1, different from the related rat sequence by thirteen amino acids. |
| UniProt ID | P78380 |
| MW | 38 kDa |
| Tested applications | WB |
| Dilution range | Western blot, 0.1-0.5µg/ml, Human |
| Specificity | No cross reactivity with other proteins. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Antibody Type | Primary Antibody |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |

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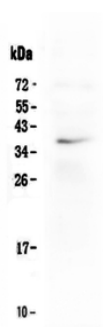
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Western blot analysis of LOX-1/OLR1 using anti-LOX-1/OLR1 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: human placenta tissue lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LOX-1/OLR1 antigen affinity purified polyclonal antibody at 0.5 $\mu\text{g}/\text{mL}$ overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LOX-1/OLR1 at approximately 38KD. The expected band size for LOX-1/OLR1 is at 31KD.

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