

VLDLR Recombinant antibody

Catalog Number: 85097-1-RR

Basic Information

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| Catalog Number: 85097-1-RR | GenBank Accession Number: NM_003383 | Purification Method: Protein A purification |
| Concentration: 1000 µg/ml | GeneID (NCBI): 7436 | CloneNo.: 242385H3 |
| Source: Rabbit | UNIPROT ID: P98155 | Recommended Dilutions: WB: 1:5000-1:50000 |
| Isotype: IgG | Full Name: very low density lipoprotein receptor | FC (Intra): 0.25 µg per 10 ⁶ cells in a 100 µl suspension |
| | Calculated MW: 96 kDa | |
| | Observed MW: 120 kDa | |

Applications

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| Tested Applications: WB, FC (Intra), ELISA | Positive Controls: |
| Species Specificity: human | WB : MCF-7 cells, THP-1 cells |
| | FC (Intra) : THP-1 cells, |

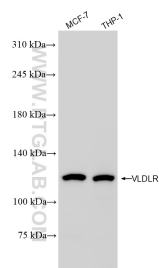
Background Information

The very low-density lipoprotein receptor (VLDLR) is a member of the LDL receptor family with a complex molecular weight profile due to post-translational modifications. The calculated molecular weight of the core protein is approximately 84-86 kDa, however, VLDLR undergoes extensive glycosylation during processing, resulting in higher apparent molecular weights observed in SDS-PAGE analyses. Multiple studies report that glycosylated VLDLR migrates as broad bands between 90-180 kDa under reducing conditions, with the most commonly observed forms at approximately 96 kDa (core glycosylated form), 115-135 kDa (mature fully glycosylated form), and 150-180 kDa (hyperglycosylated or dimeric forms).

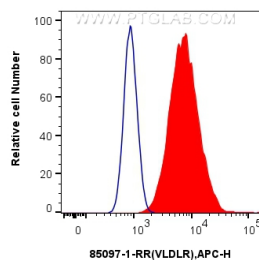
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85097-1-RR (VLDLR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ THP-1 cells were intracellularly stained with 0.25 ug VLDLR Recombinant Antibody (85097-1-RR, Clone:242385H3) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).