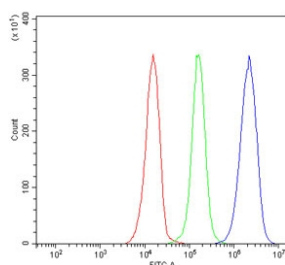


## VLDL Receptor Antibody / VLDLR (RQ6695)

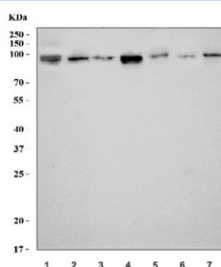
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ6695      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                              |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                              |
| <b>Format</b>             | Antigen affinity purified                                                                      |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                     |
| <b>Isotype</b>            | Rabbit IgG                                                                                     |
| <b>Purity</b>             | Antigen affinity purified                                                                      |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                                                      |
| <b>UniProt</b>            | P98155                                                                                         |
| <b>Applications</b>       | Western Blot : 1-2ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This VLDL Receptor antibody is available for research use only.                                |



Flow cytometry testing of human JK-1 cells with VLDL Receptor antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= VLDL Receptor antibody.



Western blot testing of 1) human ThP-1, 2) human Jurkat, 3) rat brain, 4) rat C6, 5) mouse heart, 6) mouse brain and 7) mouse Neuro-2a antibody. Expected molecular weight: 96-160 kDa depending on glycosylation level.

## Description

The very-low-density-lipoprotein receptor (VLDLR) is a transmembrane lipoprotein receptor of the low-density-lipoprotein (LDL) receptor family. The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. This gene encodes a lipoprotein receptor that is a member of the LDLR family and plays important roles in VLDL-triglyceride metabolism and the reelin signaling pathway. Mutations in this gene cause VLDLR-associated cerebellar hypoplasia. Alternative splicing generates multiple transcript variants encoding distinct isoforms for this gene.

## Application Notes

Optimal dilution of the VLDL Receptor antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids R231-S770) was used as the immunogen for the VLDL Receptor antibody.

## Storage

After reconstitution, the VLDL Receptor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.