

## Rabbit VLDL Receptor/VLDLR Polyclonal Antibody | anti-VLDLR antibody

Anti-VLDL Receptor/VLDLR Antibody Picoband

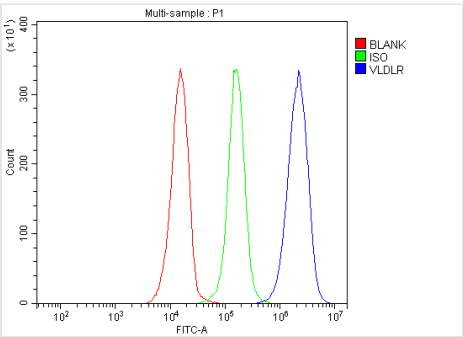
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA126207 | Rabbit | Human, Mouse, Rat | Western Blot, Flow Cytometry, Functional Assay, ELISA |

### PRODUCT SYNONYMS

VLDL Receptor/VLDLR; Polyclonal Antibody; Anti-VLDL Receptor/VLDLR Antibody Picoband; anti-VLDLR antibody

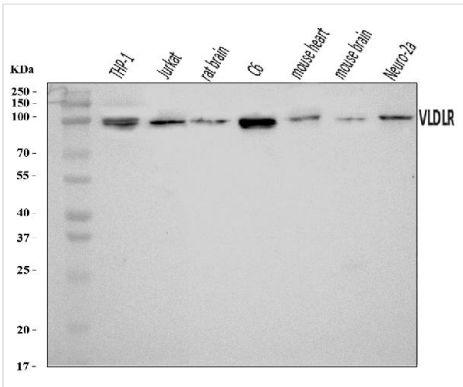
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                     | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                   | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-VLDLR antibody | WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA                                                                                                                                                                          |
| Reconstitution                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                       | E Coli-derived human VLDL Receptor/VLDLR recombinant protein (Position: R231-S770).                                                                                                                                          |
| Preparation and Storage                         | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of JK cells using anti-VLDL Receptor/VLDLR antibody (AAA126207). Overlay histogram showing JK cells stained with AAA126207 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-VLDL Receptor/VLDLR Antibody (AAA126207, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of VLDL Receptor/VLDLR using anti-VLDL Receptor/VLDLR antibody (AAA126207). 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 30 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: rat C6 whole cell lysates, Lane 5: mouse heart tissue lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse Neuro-2a whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-VLDL Receptor/VLDLR antigen affinity purified polyclonal antibody (#AAA126207) at 0.5 ug/mL overnight at 4 degree 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 1:5000 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 VLDL Receptor/VLDLR at approximately 100 kDa. The expected band size for VLDL Receptor/VLDLR is at 100 kDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-VLDLR antibody | 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. |
| Product Categories/Family for anti-VLDLR antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI GI #                        | 65301167                                                     |
| NCBI GeneID                      | 7436                                                         |
| NCBI Accession #                 | NP_003374.3                                                  |
| NCBI GenBank Nucleotide #        | NM_003383.3                                                  |
| UniProt Accession #              | P98155; Q5VVF6; B2RMZ7; D3DRH6                               |
| Molecular Weight                 | 96,098 Da                                                    |
| NCBI Official Full Name          | very low-density lipoprotein receptor isoform a              |
| NCBI Official Synonym Full Names | very low density lipoprotein receptor                        |
| NCBI Official Symbol             | VLDLR                                                        |
| NCBI Official Synonym Symbols    | CARMQ1; CHRMQ1; VLDLRCH                                      |
| NCBI Protein Information         | very low-density lipoprotein receptor; VLDL-R; VLDL receptor |

|                            |                                       |
|----------------------------|---------------------------------------|
| UniProt Protein Name       | Very low-density lipoprotein receptor |
| UniProt Gene Name          | VLDLR                                 |
| UniProt Synonym Gene Names | VLDL receptor; VLDL-R                 |
| UniProt Entry Name         | VLDLR_HUMAN                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vldl-receptor-vldlr-antibody-western-blot-flow-cytometry-elisa/126207>