

**VLDLR Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21837b****Specification**

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**VLDLR Antibody (C-Term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">P98155</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>96098</b>
Antigen Region	<b>608-642</b>

**VLDLR Antibody (C-Term) - Additional Information****Gene ID** 7436**Other Names**

Very low-density lipoprotein receptor, VLDL receptor, VLDL-R, VLDLR

**Target/Specificity**

This VLDLR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 608-642 amino acids from human VLDLR.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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.

**Precautions**

VLDLR Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**VLDLR Antibody (C-Term) - Protein Information****Name** VLDLR**Function** Multifunctional cell surface receptor that binds VLDL and transports it into cells by endocytosis and therefore plays an important role in energy metabolism. Binds also to a wide range of other molecules including Reelin/RELN or apolipoprotein E/APOE- containing ligands as

well as clusterin/CLU (PubMed:[24381170](#), PubMed:[30873003](#)). In the off-state of the pathway, forms homooligomers or heterooligomers with LRP8 (PubMed:[30873003](#)). Upon binding to ligands, homooligomers are rearranged to higher order receptor clusters that transmit the extracellular RELN signal to intracellular signaling processes by binding to DAB1 (PubMed:[30873003](#)). This interaction results in phosphorylation of DAB1 leading to the ultimate cell responses required for the correct positioning of newly generated neurons. Later, mediates a stop signal for migrating neurons, preventing them from entering the marginal zone (By similarity).

#### Cellular Location

Cell membrane; Single-pass type I membrane protein Membrane, clathrin-coated pit; Single-pass type I membrane protein

#### Tissue Location

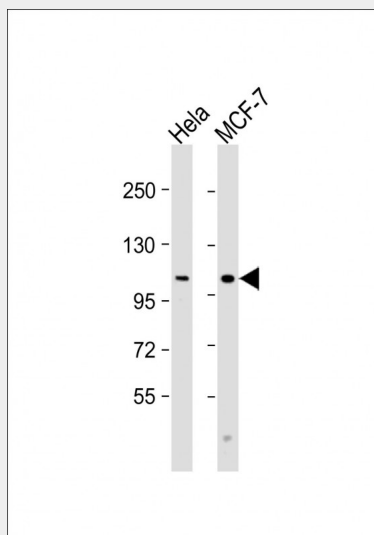
Abundant in heart and skeletal muscle; also ovary and kidney; not in liver

### VLDLR Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### VLDLR Antibody (C-Term) - Images



All lanes : Anti-VLDLR Antibody (C-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 96 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

### VLDLR Antibody (C-Term) - Background

Binds VLDL and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. Binding to Reelin induces tyrosine phosphorylation of Dab1 and modulation of Tau phosphorylation (By similarity).

#### **VLDLR Antibody (C-Term) - References**

Gafvels M.E., et al. Somat. Cell Mol. Genet. 19:557-569(1993).  
Webb J.C., et al. Hum. Mol. Genet. 3:531-537(1994).  
Sakai J., et al. J. Biol. Chem. 269:2173-2182(1994).  
Oka K., et al. Genomics 20:298-300(1994).  
Humphray S.J., et al. Nature 429:369-374(2004).