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

Specification

VLDLR Antibody (C-Term) - Product Information

Application	**WB,E**
Primary Accession	P98155
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**96098**
Antigen Region	**608-642**

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
E~~Use at an assay dependent concentration.

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. Also binds 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

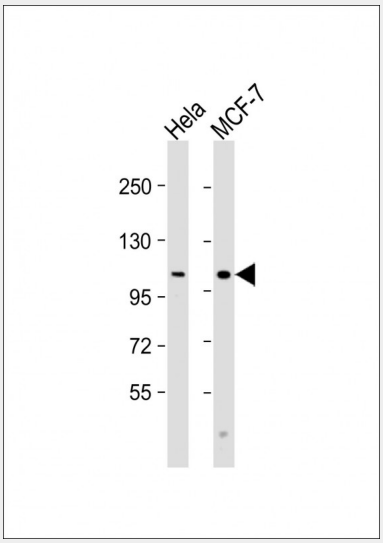
Tissue Location
Abundant in heart and skeletal muscle; also ovary and kidney; not in liver

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 Cytomety
- 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% NFDM/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).