

LDL Receptor Antibody

Rabbit mAb Catalog # AP90282

Specification

LDL Receptor Antibody - Product Information

Application WB, FC, ICC **Primary Accession** P01130 Clonality **Monoclonal**

Other Names

FH; FHC; LDL receptor; LDLCQ2; LDLR; Low Density Lipoprotein Receptor; Low density lipoprotein

receptor class A domain containing protein 3;

Isotype Rabbit IgG Host **Rabbit** Calculated MW 95376 Da

LDL Receptor Antibody - Additional Information

Dilution WB~~1:1000

FC~~1:10~50 ICC~~N/A

Purification **Affinity-chromatography**

A synthesized peptide derived from human **Immunogen**

LDL Receptor

Description Binds LDL, the major cholesterol-carrying

> lipoprotein of plasma, and transports it into cells by endocytosis. In order to be

internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. In case of HIV-1 infection, functions as a receptor for extracellular Tat in neurons, mediating its

internalization in uninfected cells.

Rabbit IgG in phosphate buffered saline, Storage Condition and Buffer

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

LDL Receptor Antibody - Protein Information

Name LDLR

Function

Binds low density lipoprotein /LDL, the major cholesterol- carrying lipoprotein of plasma, and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. Forms a ternary complex with PGRMC1 and TMEM97 receptors which increases LDLR-mediated LDL internalization (PubMed:<a



href="http://www.uniprot.org/citations/30443021" target=" blank">30443021).

Cellular Location

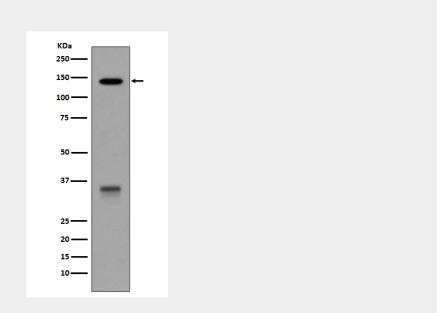
Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P01131}. Membrane, clathrin-coated pit. Golgi apparatus. Early endosome. Late endosome. Lysosome Note=Rapidly endocytosed upon ligand binding. Localized at cell membrane, probably in lipid rafts, in serum-starved conditions (PubMed:30443021).

LDL Receptor Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

LDL Receptor Antibody - Images



Western blot analysis of LDLR expression in HepG2 cell lysate.