10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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**
Immunogen	**A synthesized peptide derived from human 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.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , 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).

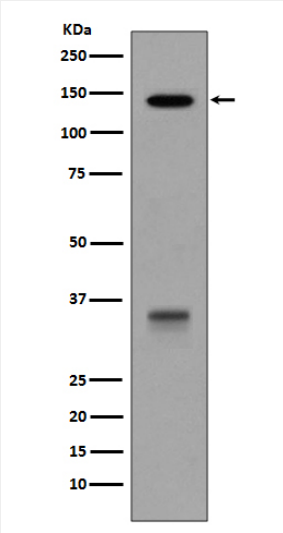
Cellular Location
Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P01131}. Membrane, clathrin-coated pit. Golgi apparatus. Early endosome. Late endosome. Lysosome Note=Rapidly endocytosed upon ligand binding. Localized at cell membrane, probably in lipid rafts, in serum-starved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

LDL Receptor Antibody - Images



Western blot analysis of LDLR expression in HepG2 cell lysate.