

**LDL Receptor Antibody**  
Rabbit mAb  
Catalog # AP90282

## Specification

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### 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

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</a>).

#### Cellular Location

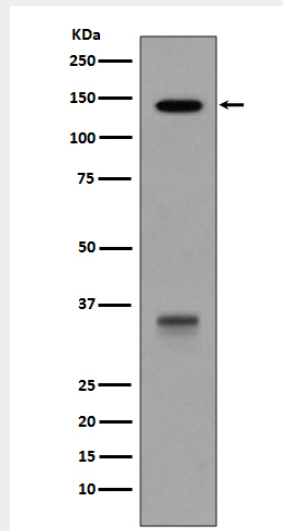
Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P01131}. Membrane, clathrin-coated pit. Golgi apparatus. Early endosome. Late endosome. Lysosome Note=Rapidly endocytosed upon ligand binding. Localized at cell membrane, probably in lipid rafts, in serum-starved conditions (PubMed:30443021).

### 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 Cytometry](#)
- [Cell Culture](#)

### LDL Receptor Antibody - Images



Western blot analysis of LDLR expression in HepG2 cell lysate.