

# Anti-LDL Receptor Rabbit Monoclonal Antibody

Catalog # ABO14113

# Anti-LDL Receptor Rabbit Monoclonal Antibody - Product Information

Application WB, IHC **Primary Accession** P01130 Rabbit Host Isotype Rabbit IgG Reactivity Human, Mouse Clonality Monoclonal Format Liauid Description Anti-LDL Receptor Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody

## Anti-LDL Receptor Rabbit Monoclonal Antibody - Additional Information

Gene ID 3949

Other Names Low-density lipoprotein receptor, LDL receptor, LDLR

Calculated MW 95376 MW KDa

Application Details WB 1:1000-1:2000<br>HC 1:100-1:500

Subcellular Localization

reacts with Human, Mouse.

Cell membrane; Single-pass type I membrane protein. Endomembrane system; Single-pass type I membrane protein. Membrane, clathrin-coated pit; Single-pass type I membrane protein. Golgi apparatus. Early endosome. Late endosome. Cell surface. Lysosome. Found distributed from the plasma membrane to intracellular compartments. Localizes to the Golgi apparatus, early and late endosomes/lysosomes and cell surface in the presence of PCSK9.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen A synthesized peptide derived from human LDL Receptor

Purification Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated



freeze-thaw cycles.

#### Anti-LDL Receptor Rabbit Monoclonal 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).

### Anti-LDL Receptor Rabbit Monoclonal Antibody - Protocols

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

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

Anti-LDL Receptor Rabbit Monoclonal Antibody - Images



Western blot analysis of LDLR expression in HepG2 cell lysate.



Immunohistochemical analysis of paraffin-embedded human liver carcinoma, using LDL Receptor Antibody.