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Anti-LDL Receptor Rabbit Monoclonal Antibody
Catalog # ABO14113

Specification

Anti-LDL Receptor Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P01130
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-LDL Receptor Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse.

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
IHC 1:100-1:500

Subcellular Localization
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**

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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:30443021).

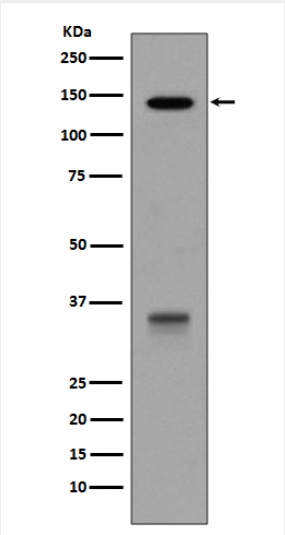
Cellular Location
Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P01131}. Membrane, clathrin-coated pit. Golgi apparatus. Early endosome. Late endosome. Lysosome Note=Rapidly endocytosed upon ligand binding. Localized at cell membrane, probably in lipid rafts, in serum-starved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

Anti-LDL Receptor Rabbit Monoclonal 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

Anti-LDL Receptor Rabbit Monoclonal Antibody - Images



Western blot analysis of LDLR expression in HepG2 cell lysate.

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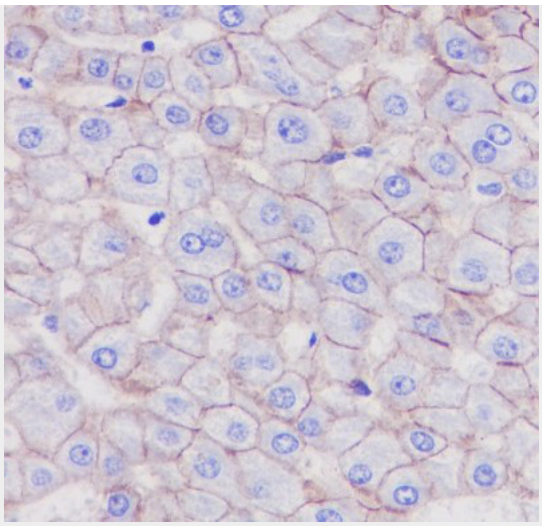

Immunohistochemical analysis of paraffin-embedded human liver carcinoma, using LDL Receptor Antibody.