

Anti-LDL Receptor Rabbit Monoclonal Antibody

Catalog # ABO14113

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.

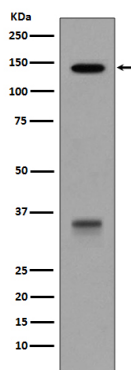
Additional Information

Gene ID	3949
Other Names	Low-density lipoprotein receptor, LDL receptor, LDLR
Calculated MW	95376
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.
Source	Eukaryota
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.
Clone Names	Clone: BFC-12
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.

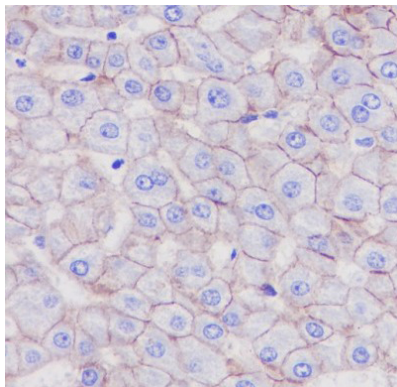
Protein Information

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).

Images



Western blot analysis of LDLR expression in HepG2 cell lysate.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.