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LDL Receptor Antibody

Rabbit mAb
Catalog # AP90282

Product Information

Application	WB, IHC
Primary Accession	P01130
Reactivity	Human, Mouse
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

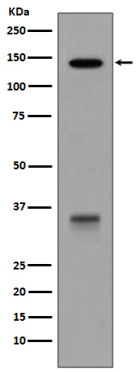
Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:100~1:500
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.

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.

Image not found : 202311/AP90282-IHC.jpg

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