

Rabbit anti-Human LDLR/LDL Receptor Polyclonal Antibody | anti-LDLR/LDL antibody

Anti-LDLR/LDL Receptor Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258785	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

LDLR/LDL Receptor; Polyclonal Antibody; Anti-LDLR/LDL Receptor Antibody; Rabbit Polyclonal; low density lipoprotein receptor; anti-LDLR/LDL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human LDLR/LDL Receptor
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-LDLR/LDL antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Recombinant Human LDLR/LDL Receptor Protein
Preparation	Produced in rabbits immunized with purified, recombinant Human LDLR/LDL Receptor (rh LDLR/LDL Receptor). LDLR/LDL Receptor specific IgG was purified by Human LDLR/LDL Receptor affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of LDLR in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human LDLR polyclonal antibody (dilution ratio 1:200) at 4? overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



WB (Western Blot)

Anti-LDLR rabbit polyclonal antibody at 1:500 dilution Lane A: CHO Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 95 kDa Observed band size: 100 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LDLR/LDL antibody	LDL Receptor, also known as LDLR, is a mosaic protein that belongs to the Low-density lipoprotein receptor gene family. The low-density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. LDL Receptor consists of 840 amino acids (after removal of signal peptide) and mediates the endocytosis of cholesterol-rich LDL. Low-density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is degraded and the cholesterol is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place. LDL Receptor is a cell-surface receptor that recognizes the apoprotein B100 which is embedded in the phospholipid outer layer of LDL particles. The receptor also recognizes the apoE protein found in chylomicron remnants and VLDL remnants.
References	Yamamoto T, et al. (1984) The human LDL receptor: a cysteine-rich protein with multiple Alu sequences in its mRNA. Cell. 39(1): 27-38. Mao B, et al. (2001) LDL-receptor-related protein 6 is a receptor for Dickkopf proteins. Nature. 411(6835): 321-5. Pinson KI, et al. (2000) An LDL-receptor-related protein mediates Wnt signalling in mice. Nature. 407(6803): 535-8.

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