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LDLR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8960C

Specification

LDLR Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	P01130
Other Accession	P35952, P20063, Q28832, P35951, P35950, Q99088, Q99087, P01131
Reactivity	**Human, Mouse**
Predicted	**Xenopus, Bovine, Hamster, Pig, Rabbit, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**391-419**

LDLR Antibody (Center) - Additional Information

Gene ID 3949

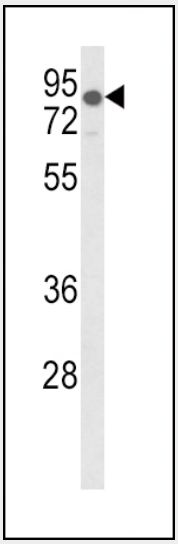
Other Names
Low-density lipoprotein receptor, LDL receptor, LDLR

Target/Specificity
This LDLR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-419 amino acids of human LDLR.

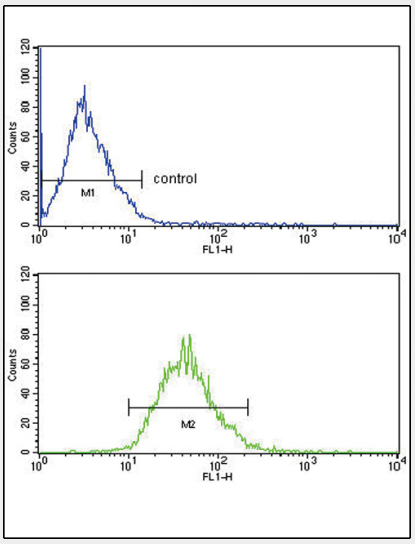
Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of LDLR Antibody (Center) (Cat. #AP8960c) in mouse lung tissue lysates (35ug/lane). LDLR (arrow) was detected using the purified Pab.



LDLR Antibody (Center) (Cat.#AP8960c) FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Precautions
LDLR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LDLR Antibody (Center) - Protein Information

Name LDLR

Function
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.

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

LDLR Antibody (Center) - 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

LDLR Antibody (Center) - Background

The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. 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.

LDLR Antibody (Center) - References

Hobbs,H.H., et.al., Hum. Mutat. 1 (6), 445-466 (1992)
Brown,M.S. et.al., Proc. Natl. Acad. Sci. U.S.A. 76 (7), 3330-3337 (1979)