

Rabbit LDLR Polyclonal Antibody | anti-LDLR antibody

LDLR Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284656	Rabbit	Human, Mouse(Predicted: Xenopus, Bovine, Hamster, Pig, Rabbit, Rat)	Flow Cytometry, Functional Assay, Western Blot

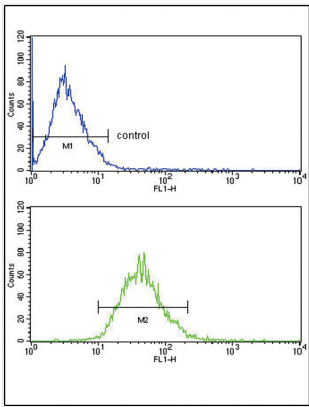
PRODUCT SYNONYMS

LDLR; Polyclonal Antibody; LDLR Antibody (Center); Low-density lipoprotein receptor; LDL receptor; anti-LDLR antibody

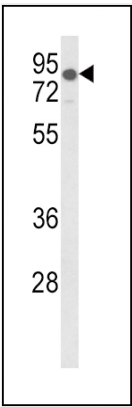
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse (Predicted: Xenopus, Bovine, Hamster, Pig, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This LDLR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-419 amino acids of human LDLR.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	391-419
Sequence Length	860
Applicable Applications for anti-LDLR antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
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).
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
LDLR Antibody (Center) (AAA284656) 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.



WB (Western Blot)
Western blot analysis of LDLR Antibody (Center) (AAA284656) in mouse lung tissue lysates (35ug/lane). LDLR (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-LDLR antibody	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.
Product Categories/Family for anti-LDLR antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504975
NCBI GeneID	3949
NCBI Accession #	NP_000518.1; NP_001182727.1; NP_001182728.1; NP_001182729.1; NP_001182732.1
NCBI GenBank Nucleotide #	NM_000527.4
UniProt Accession #	P01130; Q53ZD9; Q59FQ1; Q9UDH7; B4DII3; B4DJZ8; B4DR00; B4DTQ3; C0JYY8; H0YLU8; H0YNT7
NCBI Official Full Name	low-density lipoprotein receptor isoform 1
NCBI Official Synonym Full Names	low density lipoprotein receptor
NCBI Official Symbol	LDLR
NCBI Official Synonym Symbols	FH; FHC; LDLCQ2
NCBI Protein Information	low-density lipoprotein receptor
UniProt Protein Name	Low-density lipoprotein receptor
UniProt Gene Name	LDLR
UniProt Synonym Gene Names	LDL receptor
UniProt Entry Name	LDLR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ldlr-antibody-flow-cytometry-western-blot-elisa/284656>