

Anti-LDLR antibody



Description	Unconjugated Rabbit polyclonal to LDLR
Model	STJ192340
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human LDLR protein.
Immunogen Region	540-620aa
Gene ID	3949
Gene Symbol	LDLR
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	LDLR Polyclonal Antibody detects endogenous levels of protein.
Purification	LDLR antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Low-density lipoprotein receptor LDL receptor
Molecular Weight	94 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6547OMIM:143890
Alternative Names	Low-density lipoprotein receptor LDL receptor
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. (Microbial infection) Acts as a receptor for hepatitis C virus in hepatocytes, but not through a direct interaction with viral proteins . Acts as a receptor for vesicular stomatitis virus . In case of HIV-1 infection, may function as a receptor for extracellular Tat in neurons, mediating its internalization in uninfected cells .
Sequence and Domain Family	The NPXY motif mediates the interaction with the clathrin adapter DAB2 and with LDLRAP1 which are involved in receptor internalization. A few residues outside the motif also play a role in the interaction.
Cellular Localization	Cell membrane Membrane, clathrin-coated pit Golgi apparatus Early endosome Late endosome Lysosome. Rapidly endocytosed upon ligand binding.
Post-translational Modifications	N- and O-glycosylated. Ubiquitinated by MYLIP leading to degradation.