

Product datasheet for **TA306778**

LDL Receptor (LDLR) Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	LDL-R antibody was raised against an 18 amino acid peptide near the center of human LDL-R.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	low density lipoprotein receptor
Database Link:	NP_000518 Entrez Gene 16835 Mouse Entrez Gene 300438 Rat Entrez Gene 3949 Human P01130

Background: The low density lipoprotein receptor (LDL-R) 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. Mutations in the LDL-R gene cause the autosomal dominant disorder, familial hypercholesterolemia. Along with SCARB1, CLDN1, and the tetraspanin superfamily member CD81, LDL-R has been reported to be an entry factor for the Hepatitis C virus. At least three isoforms of LDL-R are known to exist.



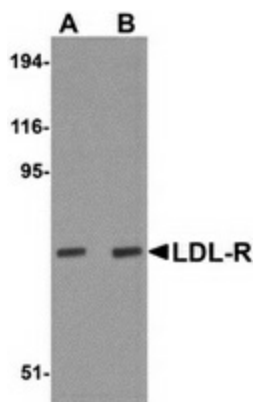
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Synonyms: FH; FHC; LDLCQ2

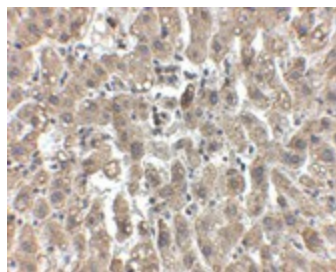
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Endocytosis

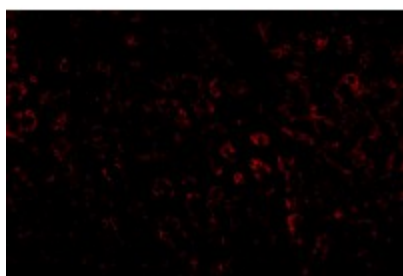
Product images:



Western blot analysis of LDL-R in human liver tissue lysate with LDL-R antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of LDL-R in human liver tissue with LDL-R antibody at 2.5 ug/ml.



Immunofluorescence of LDLR in human liver tissue with LDLR antibody at 20 ug/mL.