Datasheet for ABIN6991116

anti-LDLR antibody (AA 490-540)

Go to Product page

Overview

Quantity:	0.1 mg
Target:	LDLR
Binding Specificity:	AA 490-540
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This LDLR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	LDL-R antibody was raised against an 18 amino acid synthetic peptide near the center of human LDL-R. The immunogen is located within amino acids 490 - 540 of LDL-R.
Isotype:	IgY
Purification:	LDL-R Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LDLR
Alternative Name:	LDL-R (LDLR Products)
Background:	LDL-R Antibody: The low density lipoprotein receptor (LDL-R) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low density

Target Details

	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.
Gene ID:	3949
NCBI Accession:	NP_000518
UniProt:	P01130
Pathways:	Hepatitis C, Lipid Metabolism

Application Details

Application Notes:	LDL-R antibody can be used for detection of LDL-R by Western blot at 1 - 2 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LDL-R Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	LDL-R antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.