

Datasheet for ABIN500146
anti-LDLR antibody (Center)



[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	LDLR
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This LDLR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	LDL-R antibody was raised against an 18 amino acid peptide near the center of human LDL- R.
Isotype:	IgG
Specificity:	This antibody detects LDL-R.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	LDLR
Alternative Name:	LDLR (LDLR Products)

Target Details

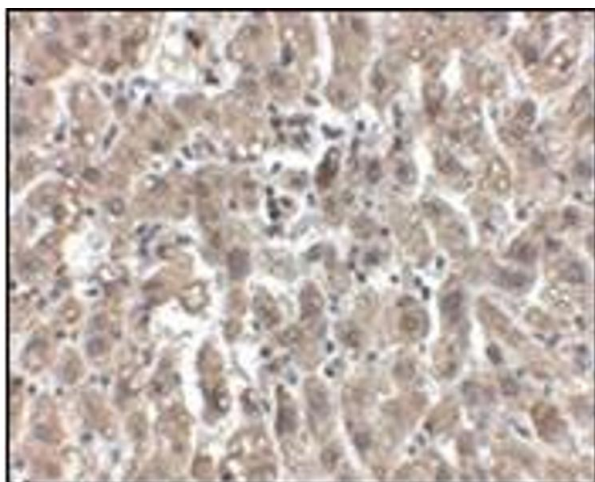
Background:	The low density lipoprotein receptor (LDL-R) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is 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. Synonyms: LDL receptor, LDLR, Low-density lipoprotein receptor
Gene ID:	3949
NCBI Accession:	NP_000518
UniProt:	P01130
Pathways:	Hepatitis C , Lipid Metabolism

Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

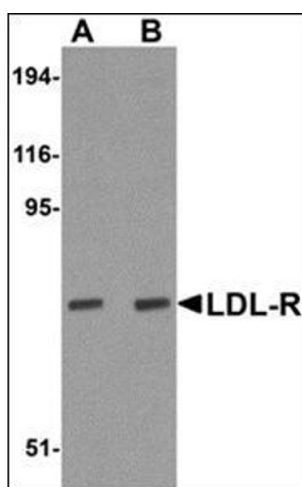
Handling

Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of LDL-R in human liver tissue with this product at 2.5 µg/ml.



Western Blotting

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