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Datasheet for ABIN3031637 anti-LDLR antibody (AA 391-419)

3 Images



Overview

Quantity:	0.4 mL
Target:	LDLR
Binding Specificity:	AA 391-419
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LDLR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 391-419 from the human protein was used as the immunogen for this LDLR antibody.
lsotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat, Pig, Rabbit, Hamster, Xenopus
Purification:	Antigen affinity purified

Target Details

Target:	LDLR
Alternative Name:	LDLR (LDLR Products)
Background:	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins

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	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.
UniProt:	P01130
Pathways:	Hepatitis C, Lipid Metabolism
Application Details	
Application Notes:	Titration of the LDLR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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
Storage Comment:	Aliquot the LDLR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Flow Cytometry

Image 1. LDLR antibody flow analysis of MCF-7 cells (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Western Blotting

Image 2. Western blot analysis of LDLR antibody and mouse lung tissue lysate. Predicted size: 95-160 kDa depending on glycosylation level.

western Biotting
Image 3. Western blot analysis of LDLR antibody and
mouse lung tissue lysate. Predicted size: 95-160 kDa
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