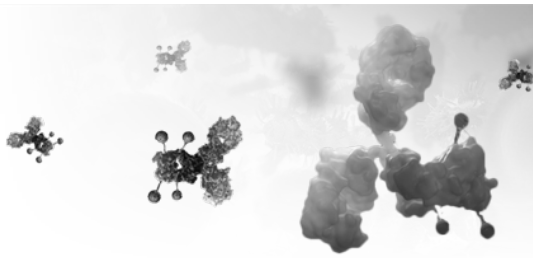

Anti-LDLR (aa 105-205) polyclonal antibody (DPAB-DC1836)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The low density lipoprotein receptor (LDLR) 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 this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2010]
Immunogen	LDLR (NP_000518, 105 a.a. ~ 205 a.a) partial recombinant protein with GST tag. The sequence is PPKTCSQDEFRCHDGKCISRQFVCDSDRDCLDGSDEASCPVLTCGPASFQCNSSTCIPQL WACDNDPDCEDGSDEWPQRCRGLYVFQGDSSPCSAFEFHCL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	LDLR low density lipoprotein receptor [Homo sapiens (human)]
Official Symbol	LDLR
Synonyms	LDLR; low density lipoprotein receptor; FH; FHC; LDLCQ2; low-density lipoprotein receptor; LDL receptor; low-density lipoprotein receptor class A domain-containing protein 3;
Entrez Gene ID	3949
Protein Refseq	NP_000518
UniProt ID	A0A024R7D5
Chromosome Location	19p13.2
Pathway	Bile secretion; DNA damage response (only ATM dependent); Diseases associated with visual transduction; Hepatitis C
Function	calcium ion binding; glycoprotein binding; low-density lipoprotein particle binding; low-density lipoprotein receptor activity

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