

Product datasheet for **BP5014**

LDL Receptor (LDLR) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	Flow Cytometry: 1/10. Immunoblotting: 1/100-1/200. Recognizes the 160 kDa band of LDLR and a 120 kDa band of the LDLR precursor from Fibroblasts, Hepatocytes, and monocytic cells cultured in the presence of lipoprotein-deficient serum. Immunohistochemistry: 1/20.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Specific synthetic peptide (sequence not conserved in VLDL receptor and LRP) of the LDL receptor extracellular domain. Epitope: Between residues Nos. 184-195, the linker region between repeats 4 and 5.
Specificity:	The antibody reacts specifically with the LDL Receptor (160 kDa mature or glycosylated receptor; 120 kDa precursor or unglycosylated receptor). It does not inhibit binding of LDL.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	low density lipoprotein receptor



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Database Link: [Entrez Gene 3949 Human P01130](#)

Background: 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

Synonyms: LDLR, Low-density lipoprotein receptor, LDL receptor