

Product datasheet

anti-LDL Receptor rabbit polyclonal, Biotin Conjugate

Short overview

Cat. No.	61599
Quantity	250 µl

Product description

Host	Rabbit
Antibody Type	Polyclonal
Isotype	IgG
Immunogen	Specific synthetic peptide (sequence not conserved in VLDL receptor and LRP) of the human LDL receptor extracellular domain (epitope between residues nos. 184-195, the linker region between repeats 4 and 5)
Formulation	PBS pH 7.4 with penicillin/streptomycin
UniprotID	P01130 (Human), P01131 (Bovine), P35951 (Mouse), P35952 (Rat)
Synonym	Low-density lipoprotein receptor, LDL receptor, LDLR
Note	Centrifuge prior to opening
Conjugate	Biotin
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, Receptor binding assay
Reactivity	Human

Applications

Flow Cytometry (FACS)	1:10
Receptor Binding Assays	Assay dependent

Background

The LDL receptor (160 kDa mature or glycosylated receptor; 120 kDa precursor or unglycosylated receptor) plays a key role in cellular cholesterol homeostasis. The antibody to LDLR reacts specifically with human LDLR and is suitable for use in flow cytometry and immunoblotting. The antibody does not inhibit binding of LDL. In immunoblotting, the antibody 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.

Product images



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References

Publication	Species	Application
Galicia-Garcia, U. et al. Mutation type classification and pathogenicity assignment of sixteen missense variants located in the EGF-precursor homology domain of the LDLR. Sci. Rep. 10, 1727 (2020).	hamster	WB
Benito-Vicente, A. et al. p.(Asp47Asn) and p.(Thr62Met): non deleterious LDL receptor missense variants functionally characterized in vitro. Sci.Rep. 8, 16614 (2018)	hamster	WB
Jiang, L. et al. The use of targeted exome sequencing in genetic diagnosis of young patients with severe hypercholesterolemia. Sci. Rep. 6, 1â€“9 (2016).	human	WB
Sorensen, S., Ranheim, T., Bakken, K. S., Leren, T. P. & Kulseth, M. A. Retention of Mutant Low Density Lipoprotein Receptor in Endoplasmic Reticulum (ER) Leads to ER Stress. J. Biol. Chem. 281, 468-476 (2006).	human	WB,IP
Eden, E. R. et al. Restoration of LDL receptor function in cells from patients with autosomal recessive hypercholesterolemia by retroviral expression of ARH1. J. Clin. Invest. 110, 1695-702 (2002).	human	ICC-IF