LDL Receptor Antibody

Lot Number: QF2042826

Product Data Sheet

Tested Species Reactivity
Human (Hu)
Mouse (Ms)

Tested Applications	Dilution *
Western Blot (WB)	0.5 µg/ml
Immunofluorescence (IF)	1:1000-1:10,000
Immunocytochemistry (ICC)	1:1000-1:10,000
Immunohistochemistry (IHC)	Assay-Dependent

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA5-22976
Size:	100 µL
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit /
Immunogen:	Synthetic peptide made to an internal portion of the human protein (within residues 500-550).

Form Information	
Form:	Liquid
Concentration:	1.41mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	PBS with 30% glycerol
Preservative:	0.1% sodium azide
Storage Conditions:	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Product Specific Information

This antibody is predicted to react with monkey based on 100% sequence homology.

This antibody has 92% sequence homology with mouse.

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General Information

The low density lipoprotein (LDL) receptor system coordinates the metabolism of cholesterol, an essential component of the plasma membrane of all mammalian cells. Study of this system has led to an enhanced understanding of the cellular basis of cholesterol homeostasis. It has also brought into focus an important mechanism of metabolic regulation--the process of receptor-mediated endocytosis (1). Data suggest that the juxtamembranous region of the cytoplasmic domain participates in protein:protein interactions that allow the low density lipoprotein receptor to cluster in coated pits (2). It has been shown that the family of LDL receptors may serve as viral receptors. Endocytosis of the Flaviviridae viruses, hepatitis C virus, GB virus C/hepatitis G virus, and bovine viral diarrheal virus (BVDV) was shown to be mediated by LDL receptors on cultured cells (3).

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