



VLDLR Polyclonal Antibody

Catalog No	YP-Ab-06390
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	VLDLR
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	VLDLR Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Very low-density lipoprotein receptor;VLDL receptor;VLDL-R;VLDLR;Very low-density lipoprotein receptor (VLDL receptor) (VLDL-R)
Observed Band	100-120 kDa
Calculated Molecular Weight	96 kDa
Cell Pathway	Cell membrane ; Single-pass type I membrane protein. Membrane, clathrin-coated pit; Single-pass type I membrane protein.
Tissue Specificity	Abundant in heart and skeletal muscle; also ovary and kidney; not in liver.
Function	disease:Deletions involving VLDLR may be the cause of VLDLR-associated cerebellar hypoplasia (VLDLRCH) [MIM:224050]; also known as dysequilibrium syndrome (DES) or non-progressive cerebellar disorder with mental retardation. VLDLRCH is a syndrome characterized by moderate-to-profound mental retardation, delayed ambulation, and predominantly truncal ataxia. Additional features include strabismus and pesplanus in the majority of patients, seizures in 40% of patients, and short stature in 15% of patients. Magnetic resonance imaging demonstrates inferior cerebellar hypoplasia and mild cortical gyral simplification.,function: Binds VLDL and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. Binding to Reelin induces tyrosine phosphorylation of Dab1



and modulation of Tau phosphorylation.,similarity:Co

Background

The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. This gene encodes a lipoprotein receptor that is a member of the LDLR family and plays important roles in VLDL-triglyceride metabolism and the reelin signaling pathway. Mutations in this gene cause VLDLR-associated cerebellar hypoplasia. Alternative splicing generates multiple transcript variants encoding distinct isoforms for this gene. [provided by RefSeq, Aug 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images