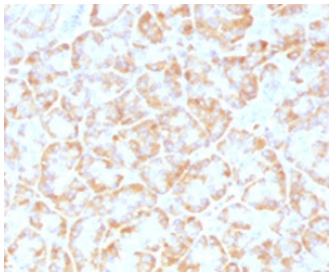
VLDLR Antibody [clone VLPR-1] (V7240)

Catalog No.	Formulation	Size
V7240-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7240-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7240SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	VLPR-1
Purity	Protein G affinity chromatography
UniProt	P98155
Gene ID	7436
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml (1)
Limitations	This VLDLR antibody is available for research use only.



IHC testing of FFPE human pancreas with VLDLR antibody (clone VLPR-1).

Description

Very Low Density Lipoprotein Receptor (VLDLR/VLDL receptor) is a member of the LDL receptor gene family which includes LDL receptor, LRP, megalin, VLDLR and ApoER2. The LDL receptor family is characterized by a cluster of cysteine-rich class A repeats, epidermal growth factor (EGF)-like repeats, YWTD repeats and an O-linked sugar domain. VLDLR associates with RAP (receptor associated protein) during receptor folding, and RAP facilitates the secretion of the extracellular region of VLDLR. VLDL receptor is thought to mediate the interaction of extracellular Reelin and cytosolic mDab1 (mammalian disabled protein), which activates a tyrosine kinase. This pathway regulates the migration of neurons along the radial glial fiber network during brain development.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the VLDLR antibody to be titered up or down for optimal performance.

1. Staining of FFPE tissue is enhanced by boiling sections in 10mM Tris with 1mM EDTA, pH9 for 10-20 min followed by cooling at RT for 20 min.

Immunogen

A human recombinant partial protein from the C-terminal region was used as the immunogen for this VLDLR antibody.

Storage

Store the VLDLR antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)

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