

## Anti-VLDL-Receptor (Very Low Density Lipoprotein Receptor) Monoclonal Antibody

Catalog Number: M02195

### About VLDLR

VLDLR (very low density lipoprotein 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. VLDLR 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.

### Overview

Product Name	Anti-VLDL-Receptor (Very Low Density Lipoprotein Receptor) Monoclonal Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-VLDL-Receptor (Very Low Density Lipoprotein Receptor) Monoclonal Antibody (Catalog # M02195). Tested in IHC applications. This antibody reacts with Human, Rat.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal Clone: VLDLR/1337
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P98155

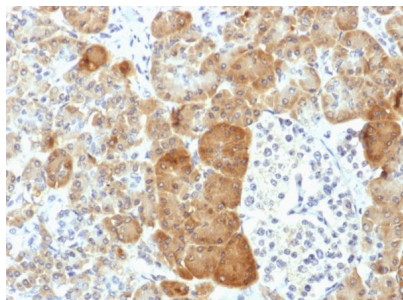
### Technical Details

Immunogen	Recombinant human VLDLR fragment from c-terminal
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, lambda
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0 for 45 min at 95&amp;degC followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>

## Anti-VLDL-Receptor (Very Low Density Lipoprotein Receptor) Monoclonal Antibody (M02195) Images

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Formalin-fixed, paraffin-embedded human Pancreas stained with Anti-VLDL-Receptor Mouse Monoclonal Antibody (VLDLR/1337).

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