

LDL Receptor Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50373

Clone# BP6340

Predicted Molecular Wt: 95kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P01130

Background:

The LDL receptor is a transmembrane glycoprotein located on the cell surface. It specifically binds to lipoprotein particles containing ApoB-100 or ApoE, mediates their clathrin-dependent endocytosis and subsequent lysosomal degradation, thereby regulating intracellular cholesterol homeostasis and maintaining the balance of plasma cholesterol levels.

LDL receptor is primarily enriched in the placenta, liver and adrenal glands. LDL receptor is differentially expressed in malignant tumors.

In clinical diagnosis, the expression level and genetic variations of LDL receptor serve as the gold standard diagnostic criteria for familial hypercholesterolemia. Furthermore, their association with tumor progression and pathological links to Alzheimer's disease provide new avenues for the diagnosis and treatment of related conditions.

Subcellular location:

Membrane/Cytoplasm /Granule

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

The synthetic peptide corresponding to Human LDL receptor aa 811-860

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

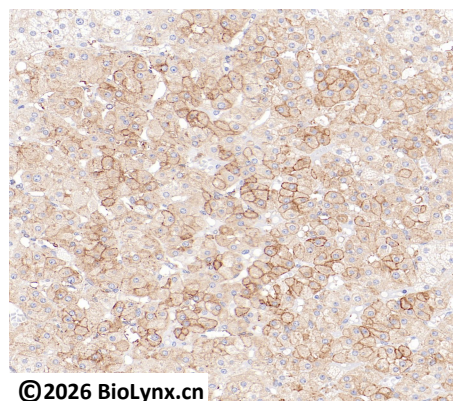
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

- Li, C. et al. (2022) Cell Death Differ 29, 697-708.
- Sawamura, T. et al. (1997) Nature 386, 73-7.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human adrenal glands labelling LDL receptor with BP6340.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.