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# LDLR Blocking Peptide
**Catalog # PBV10385b**

## Specification

### LDLR Blocking Peptide - Product Information

| | |
|---|---|
| Primary Accession | P01130 |
| Gene ID | 3949 |
| Calculated MW | 95376 |

### LDLR Blocking Peptide - Additional Information

**Gene ID** 3949

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|---|---|
| Application & Usage | **The peptide is used for blocking the antibody activity of LDLR. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.** |

**Other Names**
Low-density lipoprotein receptor, LDL receptor, LDLR

**Target/Specificity**
LDLR

**Formulation**
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

**Reconstitution & Storage**
-20 °C

**Background Descriptions**

**Precautions**
LDLR Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

### LDLR Blocking Peptide - Protein Information

**Name** LDLR

**Function**
Binds low density lipoprotein /LDL, the major cholesterol- carrying lipoprotein of plasma, and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. Forms a ternary complex with PGRMC1 and TMEM97 receptors which increases LDLR-mediated LDL internalization (PubMed:<a

href="http://www.uniprot.org/citations/30443021" target="_blank">30443021</a>).

**Cellular Location**
Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P01131}. Membrane, clathrin-coated pit. Golgi apparatus. Early endosome. Late endosome. Lysosome Note=Rapidly endocytosed upon ligand binding. Localized at cell membrane, probably in lipid rafts, in serum-starved conditions (PubMed:30443021).

## LDLR Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## LDLR Blocking Peptide - Images