

**ARG41432**  
anti-LDL Receptor antibodyPackage: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes LDL Receptor              |
| Tested Reactivity   | Hu, Ms  |
| Tested Application  | FACS, ICC/IF, WB  |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | LDL Receptor  |
| Species             | Human   |
| Immunogen           | Synthetic peptide of Human LDL Receptor.                        |
| Conjugation         | Un-conjugated   |
| Alternate Names     | FH; LDLCQ2; Low-density lipoprotein receptor; LDL receptor; FHC |

### Application Instructions

|                   |  |                 |
|-------------------|--|-----------------|
| Application table | Application  | Dilution        |
|                   | FACS   | 1:50            |
|                   | ICC/IF   | 1:50 - 1:200    |
|                   | WB   | 1:1000 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |
| Positive Control  | HepG2  |                 |
| Observed Size     | ~ 140 kDa  |                 |

### Properties

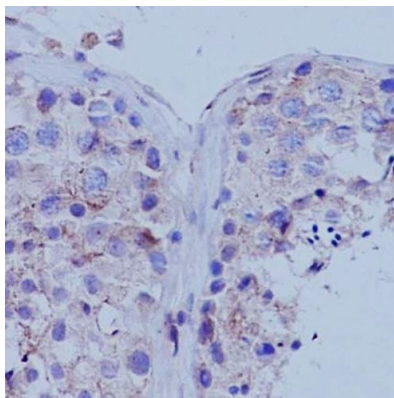
|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.   |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

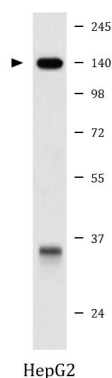
|                       |  |
|-----------------------|--|
| Gene Symbol           | LDLR   |
| Gene Full Name        | low density lipoprotein receptor   |
| Background            | The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is degraded and the cholesterol is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place. Mutations in this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2010] |
| Function              | Binds 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. In case of HIV-1 infection, functions as a receptor for extracellular Tat in neurons, mediating its internalization in uninfected cells. [UniProt]  |
| Calculated Mw         | 95 kDa   |
| PTM                   | N- and O-glycosylated.<br><br>Ubiquitinated by MYLIP leading to degradation. [UniProt]   |
| Cellular Localization | Cell membrane; Single-pass type I membrane protein. Membrane, clathrin-coated pit. Golgi apparatus. Early endosome. Late endosome. Lysosome. Note=Rapidly endocytosed upon ligand binding. [UniProt]   |

## Images



ARG41432 anti-LDL Receptor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat testis tissue stained with ARG41432 anti-LDL Receptor antibody.



ARG41432 anti-LDL Receptor antibody WB image

Western blot: HepG2 cell lysate stained with ARG41432 anti-LDL Receptor antibody.