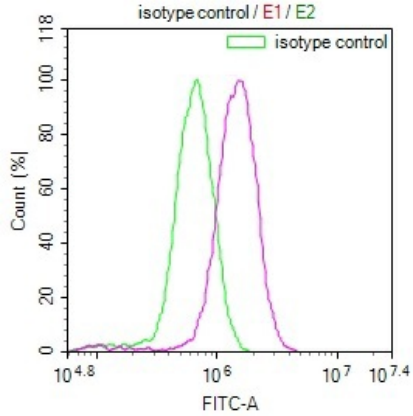
RecomAb™

# LRP2 recombinant monoclonal antibody, clone 10B5

Catalog # RAB07608 Size 100 uL

## Applications




### Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with LRP2 recombinant monoclonal antibody, clone 10B5 (red line) at 1:100.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human LRP2. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human LRP2. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Flow Cytometry(1:50-1:200)<br>The optimal working dilution should be determined by the end user. |

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| | |
|---|---|
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Flow Cytometry

  Overlay Peak curve showing MCF-7 cells stained with LRP2 recombinant monoclonal antibody, clone 10B5 (red line) at 1:100.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — LRP2

| | |
|---|---|
| **Entrez GeneID** | 4036 |
| **Protein Accession#** | P98164 |
| **Gene Name** | LRP2 |
| **Gene Alias** | DBS, gp330 |
| **Gene Description** | low density lipoprotein-related protein 2 |
| **Omim ID** | 222448 600073 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene, low density lipoprotein-related protein 2 (LRP2) or megalin, is a multi-ligand endocytic receptor that is expressed in many different tissues but primarily in absor ptive epithilial tissues such as the kidney. This glycoprotein has a large amino-terminal extracellul ar domain, a single transmembrane domain, and a short carboxy-terminal cytoplasmic tail. The ex tracellular ligand-binding-domains bind diverse macromolecules including albumin, apolipoprotei ns B and E, and lipoprotein lipase. The LRP2 protein is critical for the reuptake of numerous ligan ds, including lipoproteins, sterols, vitamin-binding proteins, and hormones. This protein also has a role in cell-signaling; extracellular ligands include parathyroid horomones and the morphogen soni c hedgehog while cytosolic ligands include MAP kinase scaffold proteins and JNK interacting prot eins. Recycling of this membrane receptor is regulated by phosphorylation of its cytoplasmic dom ain. Mutations in this gene cause Donnai-Barrow syndrome (DBS) and facio-oculoacoustico-renal syndrome (FOAR) |
| **Other Designations** | Heymann nephritis antigen homolog\|calcium sensor protein\|megalin |

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## Pathway

- Hedgehog signaling pathway

## Disease

- Alcoholism
- Alzheimer Disease
- Atherosclerosis
- Cardiovascular Diseases
- Conduct Disorder
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Diseases
- Genetic Predisposition to Disease
- Hearing Disorders
- Hypercholesterolemia
- Hyperlipidemias
- Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Recurrence
- Tobacco Use Disorder

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