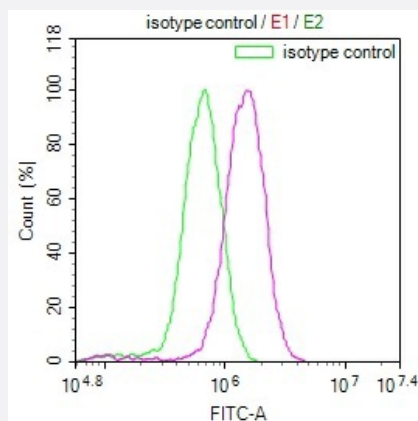


RecomAb™

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
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) The optimal working dilution should be determined by the end user.
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.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

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

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 absorptive epithelial tissues such as the kidney. This glycoprotein has a large amino-terminal extracellular domain, a single transmembrane domain, and a short carboxy-terminal cytoplasmic tail. The extracellular ligand-binding-domains bind diverse macromolecules including albumin, apolipoproteins B and E, and lipoprotein lipase. The LRP2 protein is critical for the reuptake of numerous ligands, including lipoproteins, sterols, vitamin-binding proteins, and hormones. This protein also has a role in cell-signaling; extracellular ligands include parathyroid hormones and the morphogen sonic hedgehog while cytosolic ligands include MAP kinase scaffold proteins and JNK interacting proteins. Recycling of this membrane receptor is regulated by phosphorylation of its cytoplasmic domain. 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

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](#)