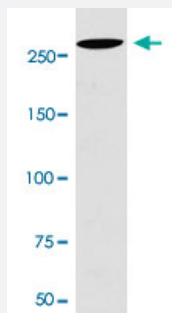


LRP2 monoclonal antibody, clone EE-12

Catalog # MAB20454 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of 293T cell lysate with LRP2 monoclonal antibody, clone EE-12 (Cat # MAB20454).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human LRP2.
Immunogen	A synthetic peptide corresponding to human LRP2.
Host	Rabbit
Theoretical MW (kDa)	521.958
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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

- Western Blot (Cell lysate)

Western Blot analysis of 293T cell lysate with LRP2 monoclonal antibody, clone EE-12 (Cat # MAB20454).

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](#)