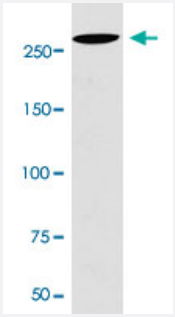
LRP2 monoclonal antibody, clone EE-12

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 st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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 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

Pathway

- Hedgehog signaling pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.