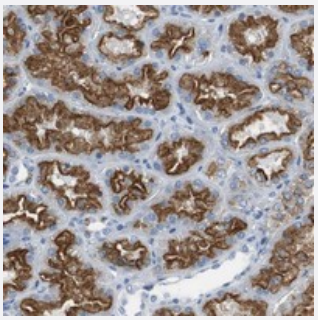
LRP2 polyclonal antibody

Catalog # PAB20330 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with LRP2 polyclonal antibody (Cat # PAB20330) shows strong cytoplasmic membranous and extracellular positivity in cells in tubules at 1:50-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant LRP2.
Immunogen	Recombinant protein corresponding to amino acids of human LRP2.
Sequence	GFTSMSDRPGKRCAAEGSSPLLLLPDNVRIRKYNLSSERFSEYLQDEEYIQAVDYDWDPEDIGLS VVYYTVRGEGSRFGAIKRAYIPNFESGRNNLVQEVDLKLKYVMQPDGIAVDWVGRHIYWSDVKNK RIEVAKLDGRYRKWLISTDL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

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Storage Instruction	Store at 4°C. For long term storage store at -20°C. 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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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

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- 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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