

Rabbit LRP2/Megalin Polyclonal Antibody | anti-LRP2 antibody

LRP2/Megalin Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163221	HOST Rabbit	REACTIVITY Mouse, Rat, Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

LRP2/Megalin; Polyclonal Antibody; LRP2/Megalin Rabbit anti-Human Polyclonal Antibody; PathPlus LRP2/Megalin Antibody; LRP2; DBS; Glycoprotein 330; gp330; Megalin; LRP-2; Calcium sensor protein; anti-LRP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of LRP2 protein.
Purity/Purification	Immunoaffinity chromatography
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-LRP2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target	Human LRP2/Megalin
Immunogen	Recombinant full length protein of human LRP2
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store at -20 degree C for 1 year. Avoid freeze/thaw cycles.

IMAGES



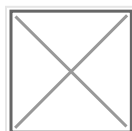
IHC (Immunohistochemistry)

LRP2/Megalin Antibody-Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

LRP2/Megalin Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

LRP2/Megalin Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-LRP2 antibody	Megalin antibody is an unconjugated rabbit polyclonal antibody to Megalin (LRP2) from human. It is reactive with human, mouse and rat. Validated for IHC and WB. LRP2 (Megalin, low density lipoprotein-related protein 2) 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). In immunohistochemistry, LRP2 has strongest membranous positivity in renal tubules in the kidney and in the parathyroid gland, followed by the brain, breast and placenta.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804; Nat. Genet. 39 (8): 957 -9, PMID: 17632512;

NCBI AND UNIPROT INFORMATION

NCBI GI #	126012573
NCBI GeneID	4036
NCBI Accession #	NP_004516.2
NCBI GenBank Nucleotide #	NM_004525
UniProt Accession #	P98164; O00711; Q16215
Molecular Weight	521,958 Da
NCBI Official Full Name	low-density lipoprotein receptor-related protein 2
NCBI Official Synonym Full Names	LDL receptor related protein 2
NCBI Official Symbol	LRP2
NCBI Official Synonym Symbols	DBS; GP330
NCBI Protein Information	low-density lipoprotein receptor-related protein 2
UniProt Protein Name	Low-density lipoprotein receptor-related protein 2
UniProt Gene Name	LRP2
UniProt Synonym Gene Names	LRP-2; gp330
UniProt Entry Name	LRP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lrp2-megalin-antibody-western-blot-immunohistochemistry-elisa/163221>