

ARG45370 anti-Lrp2 / Megalin antibody [CD7D5]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CD7D5] recognizes Lrp2 / Megalin
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	CD7D5
Isotype	IgG1
Target Name	Lrp2 / Megalin
Species	Human
Immunogen	Recombinant Human Lrp2 / Megalin.
Conjugation	Un-conjugated
Alternate Names	Ntrk3; TrkC; AW125844; Ntrk3_tv3

Application Instructions

Application table	Application	Dilution
	IHC-P	2-5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

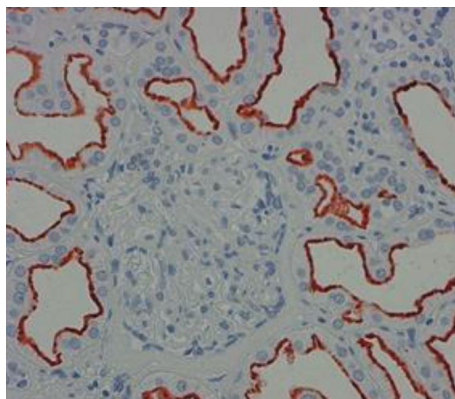
Properties

Form	Powder
Purification	Protein G chromatography
Buffer	PBS
Reconstitution	Water
Concentration	0.1 - 1.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LRP2
Gene Full Name	low density lipoprotein receptor-related protein 2
Background	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).[provided by RefSeq, Aug 2009]
Function	Acts together with cubilin to mediate HDL endocytosis (By similarity). May participate in regulation of parathyroid-hormone and para-thyroid-hormone-related protein release. [UniProt]
Cellular Localization	Disulfide bond; Glycoprotein; Phosphoprotein. [UniProt]

Images



ARG45370 anti-Lrp2 / Megalin antibody [CD7D5] IHC-P image

Immunohistochemistry: Human proximal tubule stained with ARG45370 anti-Lrp2 / Megalin antibody [CD7D5].
