## LRP2 Polyclonal Antibody

Cat \#: G-AB-01306

| Host: Rabbit | Reactivity: Human, Mouse, Rat |
| :--- | :--- |
| Isotype: IgG | Clonality: Polyclonal |

## Overview:

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 epithilial 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 horomones 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).

## Gene ID:

Accession \#: NP_004516

Immunogen: Synthetic peptide of human LRP2
Conjugation: Unconjugated
Swissprot: P98164

## Calculated Molecular Weight:

## Observed Molecular Weight:

Concentration: $0.5 \mathrm{mg} / \mathrm{mL}$
Buffer: PBS with 0.05\% sodium azide and 50\% glycerol, PH7.4
Purification Method: Affinity purification
Application: IHC,ELISA
Dilution: IHC 1:50-1:200

Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

