

LRP1 Rabbit pAb

CatalogNo: YT2589

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 80kD (Observed)

Isotype

- IgG

| Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:40000

IF 1:50-200

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human CD91. AA range: 4486-4535

Specificity LRP1 Polyclonal Antibody detects endogenous levels of LRP1 protein.

| Target Information

Gene name	LRP1		
Protein Name	Prolow-density lipoprotein receptor-related protein 1		
	Organism	Gene ID	UniProt ID
	Human	4035 ;	Q07954 ;
	Mouse	16971 ;	Q91ZX7 ;
Cellular Localization	[Low-density lipoprotein receptor-related protein 1 85 kDa subunit]: Cell membrane; Single-pass type I membrane protein. Membrane , coated pit.; [Low-density lipoprotein receptor-related protein 1 515 kDa subunit]: Cell membrane; Peripheral membrane protein; Extracellular side. Membrane , coated pit.; [Low-density lipoprotein receptor-related protein 1 intracellular domain]: Cytoplasm . Nucleus . After cleavage , the intracellular domain (LRPICD) is detected both in the cytoplasm and in the nucleus. .; Golgi outpost . Cytoplasm , cytoskeleton , microtubule organizing center . Localizes to the postsynaptic Golgi apparatus region , also named Golgi outpost , which shapes dendrite morphology by functioning as sites of acentrosomal microtubule nucleation. .		
Tissue specificity	Most abundant in liver , brain and lung.		
Function	Function:Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells. Required for early embryonic development. Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin) , as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. May modulate cellular events , such as APP metabolism , kinase-dependent intracellular signaling , neuronal calcium signaling as well as neurotransmission. ,PTM:Cleaved into a 85 kDa membrane-spanning subunit (LRP-85) and a 515 kDa large extracellular domain (LRP-515) that remains non-covalently associated. Gamma-secretase-dependent cleavage of LRP-85 releases the intracellular domain from the membrane. ,PTM:Phosphorylated on serine and threonine residues. ,PTM:Phosphorylated on tyrosine residues upon stimulation with PDGF. Tyrosine phosphorylation promotes interaction with SHC1. ,PTM:The N-terminus is blocked. ,similarity:Belongs to the LDLR family. ,similarity:Contains 22 EGF-like domains. ,similarity:Contains 31 LDL-receptor class A domains. ,similarity:Contains 34 LDL-receptor class B repeats. ,subcellular location:After cleavage , the intracellular domain (LRPICD) is detected both in the cytoplasm and in the nucleus. ,subunit:Heterodimer of an 85-kDa membrane-bound carboxyl subunit and a non-covalently attached 515-kDa amino-terminal subunit. Intracellular domain interacts with MAFB (By similarity) . Found in a complex with PID1/PCL11 , LRP1 and CUBNI. Interacts with SNX17 , PID1/PCL11 , PDGF and CUBN. The intracellular domain interacts with SHC1 , GULP1 and DAB1. Interacts with LRPAP1. ,tissue specificity:Most abundant in liver , brain and lung. ,		

| Validation Data

| Contact information

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LRP1 Rabbit pAb

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