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Rabbit Anti-LRP4 antibody

SL18365R

Product Name:	LRP4
Chinese Name:	低密度Lipoprotein受体相关蛋白4抗体
Alias:	Corin; KIAA0816; LDLR dan; Low density lipoprotein receptor related protein 4; Low-density lipoprotein receptor-related protein 4; LRP-4; LRP10; Lrp4; LRP4_HUMAN; MEGF7; Multiple epidermal growth factor like domains 7; Multiple epidermal growth factor-like domains 7.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	210kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRP4:1501-1600/1905<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the low-density lipoprotein receptor-related protein family. The encoded protein may be a regulator of Wnt signaling. Mutations in this gene are associated with Cenani-Lenz syndrome. [provided by RefSeq, May 2010]

Function:
Potential cell surface endocytic receptor, which binds and internalizes extracellular ligands for degradation by lysosomes. Involved in the negative regulation of the canonical Wnt signaling pathway, being able to antagonize the LRP6-mediated activation of this pathway.

Subunit:
Homooligomer. Interacts with MUSK; the heterodimer forms an AGRIN receptor complex that binds AGRIN resulting in activation of MUSK (By similarity). Interacts (via the extracellular domain) with SOST; the interaction facilitates the inhibition of Wnt signaling.

Subcellular Location:
Membrane.

Tissue Specificity:
Expressed in several regions of the brain.

DISEASE:
Defects in LRP4 are the cause of Cenani-Lenz syndactyly syndrome (CLSS) [MIM:212780]. It is a congenital malformation syndrome defined as complete and complex syndactyly of the hands combined with malformations of the forearm bones and similar manifestations in the lower limbs.

Similarity:
Belongs to the LDLR family.
Contains 3 EGF-like domains.
Contains 8 LDL-receptor class A domains.
Contains 20 LDL-receptor class B repeats.

SWISS:
O75096

Gene ID:
4038

Database links:

Entrez Gene: 4038 Human

Entrez Gene: 504317 Cow

Entrez Gene: 228357 Mouse

Entrez Gene: 83469 Rat

	Omim: 604270 Human SwissProt: O75096 Human SwissProt: Q8VI56 Mouse SwissProt: Q9Z319 Mouse SwissProt: Q9QYP1 Rat Unigene: 4930 Human Unigene: 275149 Mouse Unigene: 469960 Mouse Unigene: 21381 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.