

## Rabbit Anti-LRP4/AF350 Conjugated antibody

SL18365R-AF350

<b>Product Name</b>	Anti-LRP4/AF350
<b>Chinese Name</b>	AF350 标记的低密度 Lipoprotein 受体相关蛋白 4 抗体
<b>Alias</b>	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.
<b>Research Area</b>	Cell biology Neurobiology Signal transduction Stem cells
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Cow)
<b>Applications</b>	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	210kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human LRP4
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
<b>Storage</b>	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Product Detail</b>	<b>background:</b> 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.

**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.