



Rabbit Anti-LRP5 + LRP6 antibody

SL18366R

Product Name:	LRP5 + LRP6
Chinese Name:	低密度Lipoprotein受体相关蛋白5+6抗体
Alias:	BMND 1; BMND1; EVR 1; EVR 4; EVR1; EVR4; FLJ90062; FLJ90421; HBM; LDL Receptor Related Protein 5 + 6; Low density lipoprotein receptor related protein 5; Low density lipoprotein receptor related protein 5 precursor; Low density lipoprotein receptor related protein 6; Low density lipoprotein receptor related protein 6 precursor; LR 3; LR3; LRP 5; LRP 6; LRP 7; LRP7; OPPG; OPS; OPTA 1; OPTA1; VBCH 2; VBCH2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Sheep,
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:	176kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRP5 + LRP6:521-620/1615
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:	LDL related proteins, LRP 5 and LRP 6, are members of the LDL receptor superfamily, which were found to be involved in the canonical Wnt signaling pathway. Mammalian

LRP 6 was shown to bind to Wnt 1 and enhance Wnt-induced developmental processes in *Xenopus* embryos. Mice lacking LRP 6 exhibited developmental defects that are similar to those caused by deficiencies in various Wnt proteins. Recent work also shows that Wnt proteins induce the binding of LRP 5 to Axin, leading Axin degradation and beta catenin stabilization.

Subcellular Location:

Membrane; single-pass type I membrane protein

Similarity:

Belongs to the LDLR family.

Contains 4 EGF-like domains.

Contains 3 LDL-receptor class A domains.

Contains 20 LDL-receptor class B repeats.

SWISS:

O75197

Gene ID:

4040

4041

Database links:

[Entrez Gene: 4040](#) Human

[Entrez Gene: 4041](#) Human

[Entrez Gene: 16973](#) Mouse

[Entrez Gene: 16974](#) Mouse

[Omim: 603506](#) Human

[Omim: 603507](#) Human

[SwissProt: O75197](#) Human

[SwissProt: O75581](#) Human

[SwissProt: O88572](#) Mouse

[SwissProt: Q91VN0](#) Mouse

[Unigene: 45360](#) Human

[Unigene: 584775](#) Human

[Unigene: 6347](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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