

LRP6 Rabbit mAb
Catalog # AP78525**Specification****LRP6 Rabbit mAb - Product Information**

Application	WB, FC, ICC
Primary Accession	O75581
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	180429

LRP6 Rabbit mAb - Additional Information**Gene ID** 4040**Other Names**
LRP6**Dilution**
WB~~1:1000
FC~~1:10~50
ICC~~N/A**Format**
Liquid**LRP6 Rabbit mAb - Protein Information****Name** LRP6**Function**

Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes (PubMed: [11357136](http://www.uniprot.org/citations/11357136), PubMed: [11448771](http://www.uniprot.org/citations/11448771), PubMed: [15778503](http://www.uniprot.org/citations/15778503), PubMed: [16341017](http://www.uniprot.org/citations/16341017), PubMed: [16513652](http://www.uniprot.org/citations/16513652), PubMed: [17326769](http://www.uniprot.org/citations/17326769), PubMed: [17400545](http://www.uniprot.org/citations/17400545), PubMed: [19107203](http://www.uniprot.org/citations/19107203), PubMed: [19293931](http://www.uniprot.org/citations/19293931), PubMed: [19801552](http://www.uniprot.org/citations/19801552), PubMed: [28341812](http://www.uniprot.org/citations/28341812)). Cell-surface coreceptor of Wnt/beta- catenin signaling, which plays a pivotal role in bone formation (PubMed: [11357136](http://www.uniprot.org/citations/11357136), PubMed: [11448771](http://www.uniprot.org/citations/11448771)).

PubMed:15778503,
PubMed:16341017,
PubMed:16513652,
PubMed:17326769,
PubMed:17400545,
PubMed:19107203,
PubMed:19293931,
PubMed:19801552,
PubMed:28341812).
The Wnt-induced Fzd/LRP6 coreceptor complex recruits DVL1 polymers to the plasma membrane which, in turn, recruits the AXIN1/GSK3B-complex to the cell surface promoting the formation of signalosomes and inhibiting AXIN1/GSK3-mediated phosphorylation and destruction of beta-catenin (PubMed:16513652). Required for posterior patterning of the epiblast during gastrulation (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein Endoplasmic reticulum. Membrane raft. Note=On Wnt signaling, undergoes a cycle of caveolin- or clathrin-mediated endocytosis and plasma membrane location. Released from the endoplasmic reticulum on palmitoylation Mono-ubiquitination retains it in the endoplasmic reticulum in the absence of palmitoylation. On Wnt signaling, phosphorylated, aggregates and colocalizes with AXIN1 and GSK3B at the plasma membrane in LRP6- signalosomes (By similarity). Chaperoned to the plasma membrane by HSP90B1 and MESD (PubMed:23572575). {ECO:0000250|UniProtKB:O88572, ECO:0000269|PubMed:23572575}

Tissue Location

Widely coexpressed with LRP5 during embryogenesis and in adult tissues

LRP6 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LRP6 Rabbit mAb - Images