



Anti-LRP6 monoclonal antibody, clone 2D21 (DCABH-9617)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to LRP6
Antigen Description	Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalsomes. Cell-surface coreceptor of Wnt/beta-catenin signaling, which plays a pivotal role in bone formation. 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 signalsomes and inhibiting AXIN1/GSK3-mediated phosphorylation and destruction of beta-catenin. Required for posterior patterning of the epiblast during gastrulation.
Specificity	This antibody shows no cross reactivity with LRP5.
Immunogen	Cytoplasmic domain of human LRP6.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Human
Clone	2D21
Conjugate	Unconjugated
Applications	WB, IP
Format	Liquid
Size	100 µg
Buffer	Preservative: None; Constituents: PBS

Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	LRP6 low density lipoprotein receptor-related protein 6 [Homo sapiens]
Official Symbol	LRP6
Synonyms	LRP6; low density lipoprotein receptor-related protein 6; low-density lipoprotein receptor-related protein 6; LRP-6; ADCAD2; FLJ90062; FLJ90421;
Entrez Gene ID	4040
Protein Refseq	NP_002327
UniProt ID	O75581
Chromosome Location	12p13.2
Pathway	Canonical Wnt signaling pathway, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; Presenilin action in Notch and Wnt signaling, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem; Wnt signaling network, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem;
Function	Wnt-activated receptor activity; Wnt-protein binding; apolipoprotein binding; coreceptor activity involved in Wnt receptor signaling pathway; frizzled binding; kinase inhibitor activity; low-density lipoprotein receptor activity; protein binding; protein