



Human LRP6 blocking peptide (CDBP1783)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-LRP6 antibody
Antigen Description	This gene encodes a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but the precise locations of the cleavage sites have not been determined.[provided by RefSeq, Dec 2009]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°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
mRNA Refseq	NM_002336
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