



Anti-LRP5 (aa 41-130) polyclonal antibody (DPAB-DC1873)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a transmembrane low-density lipoprotein receptor that binds and internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and was originally cloned on the basis of its association with type 1 diabetes mellitus in humans. This protein plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in this gene. Mutations in this gene also cause familial exudative vitreoretinopathy. Alternative splicing results in multiple transcript variants.
Immunogen	LRP5 (NP_002326.1, 41 a.a. ~ 130 a.a) partial recombinant protein with GST tag. The sequence is RDVRLVDAGGVKLESTIVVSGLEDAAVDFQFSKGAVYWTDVSEEAIKQTYLNQTGAAVQ NVVISGLVSPDGLACDWVGKKLYWTDSETN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	LRP5 low density lipoprotein receptor-related protein 5 [Homo sapiens (human)]
Official Symbol	LRP5
Synonyms	LRP5; low density lipoprotein receptor-related protein 5; HBM; LR3; OPS; EVR1; EVR4; LRP7; OPPG; BMND1; LRP-5; OPTA1; VBCH2; low-density lipoprotein receptor-related protein 5; low density lipoprotein receptor-related protein 7;
Entrez Gene ID	4041
Protein Refseq	NP_001278831
UniProt ID	Q75197
Chromosome Location	11q13.4
Pathway	MicroRNAs in cardiomyocyte hypertrophy; Signal Transduction; TCF dependent signaling in response to WNT; Wnt Signaling Pathway and Pluripotency
Function	Wnt-activated receptor activity; Wnt-protein binding; coreceptor activity; protein binding