

AP00345PU-N**Polyclonal Antibody to LRP5 + LRP6 - Aff - Purified**

Alternate names:	LRP5, LRP6, LRP7, Low-density lipoprotein receptor-related protein 5, Low-density lipoprotein receptor-related protein 6
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	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 Induced-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.
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide surrounding amino acid 437 of Human LRP.
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography Buffer System: PBS containing 30% Glycerol, 0.5% BSA and 0.01% Thimerosal as preservative
Applications:	Western blot: 0.5-4.0 µg/ml. Jurkat cell lysate can be used as a Positive Control. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes the ~170 kDa full length LRP-5/6. A cleavage fragment (~120 kDa) can also be detected.
Species Reactivity:	Tested: Human and Mouse.
Add. Information:	Blocking Peptide (AP00345CP-N) is also available separately.
Storage:	Upon receipt, store the antibody undiluted at -20°C or at -70°C (in aliquots) for long term storage. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Product Citations:	Purchased from Acris: 1. Casagolda D, Del Valle-Pérez B, Valls G, Lugilde E, Vinyoles M, Casado-Vela J, et al. A p120-catenin-CK1epsilon complex regulates Wnt signaling. J Cell Sci. 2010 Aug 1;123(Pt 15):2621-31. doi: 10.1242/jcs.067512. PubMed PMID: 20940130. 2. Del Valle-Pérez B, Arqués O, Vinyoles M, de Herreros AG, Duñach M. Coordinated action of CK1 isoforms in canonical Wnt signaling. Mol Cell Biol. 2011 Jul;31(14):2877-88. doi: 10.1128/MCB.01466-10. Epub 2011 May 23. PubMed PMID: 21606194.

Pictures:

Western blot analysis of LRP-5/6 with Jurkat cell lysate (Lane 1: 100 µg; Lane 2: 50 µg).

