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AM00196PU-N OriGene EU

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Monoclonal Antibody to LRP5 + LRP6 - Purified

Alternate names:	LRP5, LRP6, LRP7, Low-density lipoprotein receptor-related protein 5, Low-density lipoprotein receptor-related protein 6
Catalog No.:	AM00196PU-N
Quantity:	0.1 mg
Concentration:	1.0 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 Wnt-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 β -catenin stabilization.
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	1A12
Immunogen:	Synthetic peptide (DTGTDRIEVTR) derived from Human LRP-6. These residues are completely conserved between Human and Mouse and between LRP-5 and LRP-6.
Format:	 State: Liquid purified IgG fraction. Purification: Affinity Chromatography. Buffer System: 10 mM Tris-glycine (pH 7.0) containing 0.15M NaCl, 25% Glycerol, 0.5% BSA, and 0.01% Sodium Azide
Applications:	Western blot: 1-2 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Detects full length and a proteolytic fragment of LRP-6. Species: Human and Mouse. Other species not tested.
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
	Shelf life: one year from despatch.
General Readings:	1. Li, L., et al. (2002) J. Biol. Chem. 277:5977-5981.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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1/1

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