

## Monoclonal Antibody to LRP5 + LRP6 - Purified

<b>Alternate names:</b>	LRP5, LRP6, LRP7, Low-density lipoprotein receptor-related protein 5, Low-density lipoprotein receptor-related protein 6
<b>Catalog No.:</b>	AM00196PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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 <i>Xenopus</i> 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.
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Recommended Isotype Controls:</b>	SM12P, AM03110PU-N
<b>Clone:</b>	1A12
<b>Immunogen:</b>	Synthetic peptide (DTGTDRIEVTR) derived from Human LRP-6. These residues are completely conserved between Human and Mouse and between LRP-5 and LRP-6.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography. <b>Buffer System:</b> 10 mM Tris-glycine (pH 7.0) containing 0.15M NaCl, 25% Glycerol, 0.5% BSA, and 0.01% Sodium Azide
<b>Applications:</b>	Western blot: 1-2 $\mu$ g/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Detects full length and a proteolytic fragment of LRP-6. <b>Species:</b> Human and Mouse. Other species not tested.
<b>Storage:</b>	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.
<b>General Readings:</b>	1. Li, L., et al. (2002) J. Biol. Chem. 277:5977-5981.