

LRP-5/6 Polyclonal Antibody

CATALOG NO:	3714-30T	30 µg (Trial size)
	3714-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 437 of human LRP (ID# BV-357).	
SPECIES REACTIVITY:	Human, Mouse	

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

DESCRIPTION:

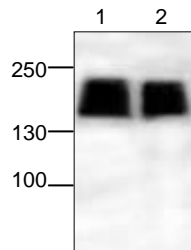
LDL-related proteins LRP-5 and LRP-6 are members of the LDL receptor superfamily, which were found to be involved in the canonical Wnt signaling pathway. Mammalian LRP-6 was shown to bind to Wnt-1 and enhance induced-induced developmental processes in *Xenopus* embryos. Mice lacking LRP-6 exhibited developmental 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 to Axin degradation and β -catenin stabilization.

SPECIFICITY:

The antibody recognizes the ~170 kDa full length LRP-5/6 of human and mouse origins. A cleavage fragment (~120 kDa) can also be detected. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Jurkat cell lysate (Cat.# 2401-100) can be used as a positive control. Blocking peptide (Cat.# 3714BP-50) is also available separately.



Cat.# 3714-100
Western blot analysis of LRP-5/6 with Jurkat cell lysate (Lane 1: 100 µg; Lane 2: 50 µg).

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