

## LRP-5/6 Polyclonal Antibody

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

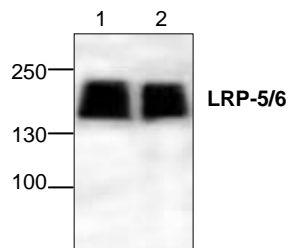
LDL-related proteins LRP-5 and LRP-6 are members of the LDL receptor superfamily, which were found to be involved in the canonical Wnt signaling pathway. Mammalian LRP-6 was shown to bind to Wnt-1 and enhance induced-induced developmental processes in *Xenopus* embryos. Mice lacking LRP-6 exhibited developmental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