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ANTIBODY DATASHEET

LRP-5/6

Technical Data

Product #	AG10005
Product name	Monoclonal LRP 5/6
Host	Mouse
Immunogen	Peptide derived from human LRP-6. These residues are completely conserved between human and mouse and between LRP-5 and LRP-6.
Cross-Reactivity	Human, Mouse
Available Size	100µg (1mg/ml) purified antibody in 10 mM Tris-glycine (pH 7.0), 0.15 M NaCl, 25% glycerol, 0.5% BSA, and 0.01% sodium azide.

Application

Western Blot	1-2 µg/ml. However, the optimal conditions should be determined individually.
Specificity	Detects full length and proteolytic fragment of LRP-6

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 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.

References

This LRP 5/6 antibody has been validated by WB as described in: Li, L. Et al. (2002) J. Biol. Chem. 277:5977-5981.

Handling Requirements

Store at -20°C. Avoid repeated freezing and thawing.

Pricing

Cost	\$ 250.00
Shipping & Handling	\$ 35.00 (dry ice shipment)

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