LRP5 (D5G4) Rabbit mAb



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Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 200	Source/Isotype: Rabbit IgG	UniProt ID: #075197	Entrez-Gene Id: 4041	
Product Usage Information	•	plication estern Blotting			Dilution 1:1000		
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20° C. Do not aliquot the antibody.					
Specificity / Sensitivity		LRP5 (D5G4) Rabbit mAb detects endogenous levels of total LRP5 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a recombinant human LRP5 protein (extracellular region).					
Background	(LDI and The (2,3) activ of pr Seri the LRF asso (11-	LR)-related protein three LDLR repeats y function as co-rectly. LRP5 and LRP6 wity of LRP5 and LR roteins (6,7). Upon 1490, and Thr1493 membrane and presented with bone discounty.	family. Unlike oth s in the extracelluseptors for Wnt are highly homologed for an be inhibited in the kinases such sumably activated regulation of bords activated is activated is activated in the kinases like osterior activated is activated in the kinases like osterior activated in the kinase in the kina	embrane proteins belon er members of the LDL ular domain, and proline and are required for the oppous and have redundated by the binding of soi Wnt, LRP6 is phosphory as GSK-3 and CK1 (8-1 s β-catenin signaling (8-1 to porosis-pseudoglioma are found in patients with	R family, LRP5 and LI -rich motifs in the cyto- canonical Wnt/β-caten ant roles during devel me members of the D lated at multiple sites .0). Phosphorylated LI .10). Ins and polymorphism syndrome and high-b	RP6 have four EGF oplasmic domain (1). in signaling pathway opment (4,5). The ickkopf (DKK) family including Thr1479, RP6 recruits axin to us in LPR5 are one-mass disorders	
Background Refere	2. Pi 3. Ta 4. Kv 5. H 6. Si 7. Bi 8. Ta 9. Zi 10. D 11. Le 12. Fe 13. Bi 14. Bj	1. Brown, S.D. et al. (1998) <i>Biochem. Biophys. Res. Commun.</i> 248, 879-888. 2. Pinson, K.I. et al. (2000) <i>Nature</i> 407, 535-538. 3. Tamai, K. et al. (2004) <i>Development</i> 131, 2803-2815. 4. Kelly, O.G. et al. (2004) <i>Development</i> 131, 1663-1677. 6. Semënov, M.V. et al. (2001) <i>Curr Biol</i> 11, 951-61. 7. Bafico, A. et al. (2001) <i>Nat. Cell Biol.</i> 3, 683-668. 8. Tamai, K. et al. (2004) <i>Mol. Cell</i> 13, 149-156. 9. Zeng, X. et al. (2005) <i>Nature</i> 438, 873-877. 10. Davidson, G. et al. (2005) <i>Nature</i> 438, 867-872. 11. Levasseur, R. et al. (2005) <i>Joint Bone Spine</i> 72, 207-14. 12. Ferrari, S.L. et al. (2005) <i>Curr Opin Lipidol</i> 16, 207-14. 13. Balemans, W. and Van Hul, W. (2007) <i>Endocrinology</i> 148, 2622-9. 14. Björklund, P. et al. (2009) <i>PLoS Med</i> 4, e328. 15. Björklund, P. et al. (2009) <i>PLoS One</i> 4, e4243.					

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

Cross-Reactivity Key

WB: Western Blotting

LRP5 (D5G4) Rabbit mAb (#5440) Datasheet Without Images Cell Signaling Technology

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dq: dog Pq: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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