e at -20C	LRP5 (D80F2) Rabbit mAb		Cell Signaling TECHNOLOGY®	
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Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 200	Source/Isotype: Rabbit IgG	UniProt ID: #O75197	Entrez-Gene Id: 4041
Product Usage Information	We	plication estern Blotting munoprecipitation			Dilution 1:1000 1:200	
Storage	•	•		7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensit	ivity LRP	۶ (D80F2) Rabbit mA	Ab recognizes e	ndogenous levels of tota	al LRP5 protein.	
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the carboxy terminus of human LRP5 protein.				
Background	(LDI and The (2,3) activ of pr Ser the LRF asso (11-	LR)-related protein fa three LDLR repeats i y function as co-recep). LRP5 and LRP6 are vity of LRP5 and LRP roteins (6,7). Upon sti 1490, and Thr1493 by membrane and presu P5 is involved in the re ociated with bone dise	mily. Unlike othe in the extracellu ptors for Wnt ar e highly homolo 6 can be inhibit imulation with V y kinases such a imably activates egulation of bon eases like osteo	embrane proteins belong er members of the LDLF lar domain, and proline- ind are required for the c- igous and have redunda ed by the binding of som Vnt, LRP6 is phosphoryl as GSK-3 and CK1 (8-1) β-Catenin signaling (8- e homeostasis. Mutation opporosis-pseudoglioma s re found in patients with	R family, LRP5 and LR rich motifs in the cyto anonical Wnt/β-catenin int roles during develo ne members of the Did ated at multiple sites i 0). Phosphorylated LR 10). ns and polymorphisms syndrome and high-bo	P6 have four EGF plasmic domain (1). n signaling pathway pment (4,5). The ckkopf (DKK) family ncluding Thr1479, P6 recruits axin to s in LPR5 are ne-mass disorders
Background Refere	2. P 3. Ta 4. Ku 5. H 6. S 7. B 8. Ta 9. Zu 10. D 11. Le 12. Fe 13. B 14. B	inson, K.I. et al. (2000 amai, K. et al. (2000) elly, O.G. et al. (2004) le, X. et al. (2004) <i>De</i> emënov, M.V. et al. (20 afico, A. et al. (2001) amai, K. et al. (2005) <i>N</i> eavidson, G. et al. (200 evasseur, R. et al. (200 errari, S.L. et al. (200	 D) Nature 407, 53 Nature 407, 53 Development 131, 2001) Curr Biol Nat. Cell Biol. 3 Mol. Cell 13, 14 Nature 438, 873 D5) Nature 438, 805 Joint Bone 5) Curr Opin Lig Hul, W. (2007) D7) PLOS Med 4 	D-535. 131, 2803-2815. 1663-1677. 11, 951-61. 8, 683-668. 19-156. -877. 867-872. Spine 72, 207-14. Didol 16, 207-14. Endocrinology 148, 262 4, e328.		
Species Reactivity	Spec	ies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffe		DRTANT: For western 5 Tween® 20 at 4°C w		membrane with diluted ng, overnight.	primary antibody in 5 ^c	% w/v BSA, 1X TBS,
Applications Key	WB:	: Western Blotting IP:	Immunoprecipi	tation		

Cross-Reactivity Key

1/1/24, 3:36 PM	LRP5 (D80F2) Rabbit mAb (#5731) 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 Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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