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e at -20C	DKK1 (D5V6L) Rabbit mAb		Cell Signaling		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 28-40	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #O94907	Entrez-Gene Id: 22943		
Product Usage Information	W	pplication /estern Blotting				Dilution 1:1000		
		nmunoprecipitation nmunofluorescence (I	mmunocytochen	nistry)		1:100 1:800		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitivity		DKK1 (D5V6L) Rabbit mAb recognizes endogenous levels of total DKK1 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human DKK1 protein.						
Background		Dickkopf (DKK) family proteins consist of four members DKK1, DKK2, DKK3 and DKK4 that function as secreted Wnt antagonists by inhibiting Wnt coreceptors LRP5 and LRP6 (1,2). DKKs contain two cysteine- rich domains in which the positions of 10 cysteine residues are well conserved (3). Their expression is both temporally and spatially regulated during animal development (4). DKKs also bind with high affinity to transmembrane proteins Kremen1 and 2, which themselves also modulate Wnt signaling (5,6). DKK1 was initially identified as an inducer of head formation in Xenopus embryos (7) and plays an important role in the regulation of bone mass (8-10). Research studies indicate that increased levels of DKK1 are found in the majority of lung cancers, esophageal squamous cell carcinomas, and hormone-resistant breast cancers (11,12), while DKK1 expression is decreased in malignant melanoma and colorectal cancers (13,14).						
Background Refer	2. 1 3. 4 4. 1 5. 1 6. 1 7. 0 8. 1 9. 1 10. 1 11. 1 12. V 13. 1	Mao, B. et al. (2001) / Niehrs, C. (2006) Ond Krupnik, V.E. et al. (19 Monaghan, A.P. et al. Mao, B. et al. (2002) / Davidson, G. et al. (20 Glinka, A. et al. (1998 Baron, R. and Rawad MacDonald, B.T. et al Diarra, D. et al. (2007 Forget, M.A. et al. (2007 Yamabuki, T. et al. (2004 Aguilera, O. et al. (2004)	cogene 25, 7469- 999) Gene 238, 3 (1999) Mech De Nature 417, 664- 002) Developmen ) Nature 391, 35 i, G. (2007) Curr . (2007) Bone 41 ) Nat Med 13, 15 007) Br J Cancer 007) Cancer Res 6) Oncogene 25,	81. 301-13. v 87, 45-56. 7. nt 129, 5587-96. 7-62. Osteoporos Rep 5, 73- ., 331-9. 56-63. 96, 646-53. 67, 2517-25. 5027-36.	80.			
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		WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity Key		<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>						

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Limited Uses

DKK1 (D5V6L) Rabbit mAb (#48367) Datasheet Without Images Cell Signaling Technology

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