e at -20C	PTCH2 (L849) Antibody		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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Applications	Depativity	Consitivity	B #11A / /
For Research Use On	ly. Not for Use in	Diagnostic Proc	edures.

Applications: WB, IP	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 130	Source: Rabbit	UniProt ID: #Q9Y6C5	Entrez-Gene Id: 8643	
Product Usage Information		oplication estern Blotting munoprecipitation			Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		PTCH2 (L849) Antibody detects transfected levels of PTCH2 protein. It does not recognize transfected levels of human PTCH1. This antibody also cross-reacts with an unidentified protein at 55 kDa.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to a region (predicted to be extracellular) surrounding residue Leu849 of human PTCH2. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	rec pro tha of F (7,ξ chc (ste	eiving receptors for r teins, PTCH suppres t the Hedgehog sign PTCH1 to suppress \$ 3). PTCH proteins ha elesterol homeostasis	members of the He sses the otherwise aling pathway is in Smo are frequently we a sterol-sensing s, such as HMGCR ent-binding protein-	dgehog family of pro constitutively active the off state (5,6). D found in patients wi domain (SSD) also (3-hydroxy-3-methy	embrane proteins that fu oteins (1-4). In the abser signaling receptor Smoo Deactivating mutations th th nevoid basal cell carc o found in several proteir ylglutaryl coenzyme A-re protein). However, the re	nce of Hedgehog othened (Smo) so at impair the ability inoma syndrome ns that function in iductase) and SCAP	
Background Refe	2. C 3. N 4. S 5. II 6. N 7. F 8. J 9. K	Stone, D.M. et al. (19 Chen, Y. and Struhl, (Notoyama, J. et al. (1 Smyth, I. et al. (1999) ngham, P.W. and Mc AcMahon, A.P. et al. (Ahn, H. et al. (1996) Johnson, R.L. et al. (200 Chang, T.Y. et al. (200	G. (1996) Cell 87, 5 L998) Nat. Genet. 1) Hum. Mol. Genet. Mahon, A.P. (2001 (2003) Curr. Top. D) Cell 85, 841-851. 1996) Science 272 Labouesse, M. (200	553-563. 18, 104-106. 8, 291-297.) Genes Dev. 15, 30 Dev. Biol. 53, 1-114. , 1668-1671. 02) Trends Genet. 13	8, 193-201.		
Species Reactivit	y Spe	cies reactivity is dete	ermined by testing i	n at least one appro	oved application (e.g., we	estern blot).	
Western Blot Buf	-		western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, at 4°C with gentle shaking, overnight.				
Applications Key	WB	: Western Blotting IF	P: Immunoprecipita	tion			
Cross-Reactivity Key		human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse P: Guinea Pig Rab: rabbit All: all species expected					
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PTCH2 (L849) Antibody (#2464) Datasheet Without Images Cell Signaling Technology

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