470 Store at -20C

PTCH2 (G1191) Antibody



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Applications: W, IP	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 130	Source/Isotype: Rabbit	UniProt ID: #Q9Y6C5	Entrez-Gene Id: 8643
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		PTCH2 (G1191) Antibody detects transfected levels of PTCH2 protein. It does not recognize transfected levels of human PTCH1 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to a region (predicted to be intracellular) surrounding residue Gly1191 of human PTCH2. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		receiving receptors for proteins, PTCH suppres that the Hedgehog sign ability of PTCH1 to supp syndrome (7,8). PTCH p function in cholesterol	members of the hases the otherwise haling pathway is press Smo are free troteins have a stee homeostasis, such terol regulatory e	welve-pass transmembredgehog family of protections from the constitutively active signing the off state (5,6). Deaquently found in patienterol-sensing domain (SSI) as HMGCR (3-hydroxy-ement-binding protein-not clear (9,10).	eins (1-4). In the ab naling receptor Sm activating mutations s with nevoid basal D) also found in sevo 3-methylglutaryl co	sence of Hedgehog oothened (Smo) so s that impair the cell carcinoma eral proteins that enzyme A-
Background References		 Stone, D.M. et al. (1996) <i>Nature</i> 384, 129-134. Chen, Y. and Struhl, G. (1996) <i>Cell</i> 87, 553-563. Motoyama, J. et al. (1998) <i>Nat. Genet.</i> 18, 104-106. Smyth, I. et al. (1999) <i>Hum. Mol. Genet.</i> 8, 291-297. Ingham, P.W. and McMahon, A.P. (2001) <i>Genes Dev.</i> 15, 3059-3087. McMahon, A.P. et al. (2003) <i>Curr. Top. Dev. Biol.</i> 53, 1-114. Hahn, H. et al. (1996) <i>Cell</i> 85, 841-851. Johnson, R.L. et al. (1996) <i>Science</i> 272, 1668-1671. Kuwabara, P.E. and Labouesse, M. (2002) <i>Trends Genet.</i> 18, 193-201. Chang, T.Y. et al. (2006) <i>Annu. Rev. Cell Dev. Biol.</i> 22, 129-157. 				
Species Reacti	vity	Species reactivity is det	ermined by testin	g in at least one approve	ed 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		W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human				
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