ICCVI31								
e at -20C	GLI2 (R770) Antibody		Cell Signaling					
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com					
		Support:	877-678-TECH (8324)					
<i>‡</i> 2585		Web:	info@cellsignal.com cellsignal.com					
#		3 Trask Lane Danvers Massa	achusetts 01923 USA					

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 220	Source/Isotype: Rabbit	UniProt ID: #P10070	Entrez-Gene Id: 2736		
Product Usage Information	9	Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM soc 20°C. Do not aliquot th		pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at –				
Specificity/Sensitivity		GLI2 (R770) Antibody detects transfected levels of human GLI2 protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg770 of human GLI2. Antibodies are purified by peptide affinity chromatography.						
Background		GLI was first identified as a gene amplified in a malignant glioma (1) capable of transforming primary cells in cooperation with adenovirus E1A (2). GLI belongs to the Krüppel family of zinc finger proteins that includes three mammalian GLI proteins: GLI1, GLI2, and GLI3 (3). These GLI proteins are similar to the <i>Drosophila</i> homolog Cubitus interruptus (Ci) and function as transcription factors activated by the Hedgehog signaling pathway. Hedgehog signaling plays an important role in animal development, and research studies have shown that this pathway is aberrantly activated in many types of cancers (4,5).						
		GLI2 contains both transcription repression and activation domains (6) and several isoforms of GLI2 have been reported that may have different activities (7-9). Overexpression of GLI2 in skin causes basal cell carcinoma in mice (10), while loss-of-function of GLI2 is associated with pituitary anomalies (11).						
Background R	eferences	5. McMahon, A.P. et al. 6. Sasaki, H. et al. (199 7. Tanimura, A. et al. (1 8. Tojo, M. et al. (2003) 9. Speek, M. et al. (200 10. Grachtchouk, M. et	1991) <i>Mol Cell Biol</i> 988) <i>Nature</i> 332, 3 cMahon, A.P. (2001 (2003) <i>Curr Top D</i> 9) <i>Development</i> 12 998) <i>J Virol</i> 72, 395 <i>Br J Dermatol</i> 148 6) <i>BMC Mol Biol</i> 7, al. (2000) <i>Nat Ger</i>	11, 1724-8. 71-4.) <i>Genes Dev</i> 15, 3059-87 <i>ev Biol</i> 53, 1-114. 6, 3915-24. 8-64. 892-7. 13.				
Species Reacti	vity	Species reactivity is de	termined 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 K	ey	W: Western Blotting						
Cross-Reactivi	ty Key	H: Human						
Trademarks and Patents		Cell Signaling Technolo	ogy is a trademark	of Cell Signaling Techno	logy, Inc.			
		All other trademarks a more information.	re the property of	their respective owners.	Visit cellsignal.com	l/trademarks for		
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless						

separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.