Phospho-p130 Antibody 707- 707- 707- 707- 707- 707- 707- 707		edures	3 Trask La	Orders: Support: Web:	BIT Signaling CHNOLOGY® 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324) info@cellsignal.com cellsignal.com ssachusetts 01923 USA
Applications: Reactive WB H M	vity: Sensitivity:	MW (kDa): 130	Source: Rabbit	UniProt ID: #P56945	Entrez-Gene Id: 9564
Product Usage Information Storage	Application Western Blotting Supplied in 10 mM sodi 20°C. Do not aliquot the		i), 150 mM NaCl, 100	Dilution 1:1000 ug/ml BSA and 50%	6 glycerol. Store at –
Specificity / Sensitivity	Phospho-p130 Cas (Ty at tyrosine 249. The an of p130 Cas.	r249) Antibody dete			
Source / Purification	Polyclonal antibodies a to residues surrounding chromatography.				
Background	p130 Cas (Crk-associal domains. The amino-ter phosphorylation, as it in as well as the tyrosine p domain (SBD) contains kinases (SFKs) and a ty with the SH2 domain of phosphorylation, is cha 249, and 410. When ph SH2 or PTB domains in tyrosine phosphorylatio normal cellular behavio phosphorylation may co	rminal SH3 domain nteracts with focal a phosphatases PTP- a proline-rich motif yrosine phosphoryla SFKs (5). The p13 racterized by 15 tyro nosphorylated, most ncluding adaptors, C n of p130 Cas has l rs including motility,	may function as a mol dhesion kinase (FAK) 1B (3) and PTP-PEST that mediates interact ation site (Tyr668 and/c 0 Cas central substrate osines present in Tyr-> YXXP motifs are able C-Crk, Nck, and inosito peen implicated as a k proliferation, and surv	ecular switch regul (1) and the FAK-rel (4). The carboxy-tu ion with the SH3 do or Tyr670) that can e domain, the majo (-X-Pro (YXXP) mo to serve as dockin I 5'-phosphatase 2 ey signaling step in vival. Aberrant Cas	ating CAS tyrosine ated kinase PYK2 (2), erminal Src binding promote interaction r region of tyrosine tifs, including Tyr165, g sites for proteins with (SHIP2) (6). The i integrin control of
Background References	 Polte, T.R. and Hanks, S.K. (1997) <i>J Biol Chem</i> 272, 5501-9. Astier, A. et al. (1997) <i>J Biol Chem</i> 272, 228-32. Liu, F. et al. (1996) <i>J Biol Chem</i> 271, 31290-5. Garton, A.J. et al. (1997) <i>Oncogene</i> 15, 877-85. Ruest, P.J. et al. (2001) <i>Mol Cell Biol</i> 21, 7641-52. Bouton, A.H. et al. (2001) <i>Oncogene</i> 20, 6448-58. 				
Species Reactivity	Species reactivity is dete	ermined by testing i	n at least one approve	d 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				
Cross-Reactivity Key	H: human M: mouse R: X: Xenopus Z: zebrafish GP: Guinea Pig Rab: ra	B: bovine Dg: dog	Pg: pig Sc: S. cerevis		-
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Limited Uses					
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Phospho-p130 Cas (Tyr249) Antibody (#4014) Datasheet Without Images Cell Signaling Technology

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