Phospho-p130 Cas (Tyr410) Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Rabbit	UniProt ID: #P56945	Entrez-Gene Id 9564
Product Usage		Application Dilution				
Information		Western Blotting Immunoprecipitation			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		Phospho-p130 Cas (Tyr410) Antibody detects endogenous levels of p130 Cas only when phosphorylated at tyrosine 410. The antibody may cross-react with other phosphorylated tyrosines in the substrate domain of p130 Cas and paxillin. The antibody may cross-react with phosphorylated PDGFR.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr410 of human p130 Cas. Antibodies are purified by protein and peptide affinity chromatography.				
Background		domains. The amino-t phosphorylation, as it as well as the tyrosine domain (SBD) contain family kinases (SFKs) a interaction with the SI of tyrosine phosphory including Tyr165, 249, sites for proteins with 2 (SHIP2) (6). The tyrosintegrin control of no	terminal SH3 doma tenteracts with foca tenteracts with foca tenteracter mo and a tyrosine phose H2 domain of SFKs ylation, is character , and 410. When ph I SH2 or PTB domai sine phosphorylation	docking protein containing may function as a molulation and pre-PEST (4), and PTP-PEST (4), and provided by the provided as a molulation as a molulation as a molulation and provided as a molulation as a molulation and provided as a molulat	lecular switch regul (1) and the FAK-rela . The carboxy-termi tion with the SH3 do and/or Tyr670) tha I substrate domain, sent in Tyr-X-X-Pro (P motifs are able to -Crk, Nck, and inosi implicated as a key roliferation, and su	ating CAS tyrosine ted kinase PYK2 (2), nal Src binding omains of Srctcan promote the major region YXXP) motifs, serve as docking tol 5'-phosphatase signaling step in rvival. Aberrant Cas
Background References		 Polte, T.R. and Hanks, S.K. (1997) J Biol Chem 272, 5501-9. Astier, A. et al. (1997) J Biol Chem 272, 228-32. Liu, F. et al. (1996) J Biol Chem 271, 31290-5. Garton, A.J. et al. (1997) Oncogene 15, 877-85. Ruest, P.J. et al. (2001) Mol Cell Biol 21, 7641-52. Bouton, A.H. et al. (2001) Oncogene 20, 6448-58. 				
Species Reactivity		Species reactivity is de	etermined by testir	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 M: Mouse R: Rat				
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