Store at -20C

608

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PAK2 Antibody



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

Applications: W, IP	Reactivity: H M R Mk GP	Sensitivity: Endogenous	MW (kDa): 61	Source/Isotype: Rabbit	UniProt ID: #Q13177	Entrez-Gene Id: 5062
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage		Supplied in 10 mM sod 20°C. Do not aliquot th		i), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sens	sitivity	PAK2 Antibody detects PAK1, PAK3 or PAK4-6.	endogenous level	s of total PAK2 protein. T	his antibody does ۱،	not cross-react with
Source / Purific	ation			munizing animals with a 2. Antibodies are purifie		
Background		processes, including cy phagocyte NADPH oxid that induce PAK activity the amino terminus of Phosphorylation of PAK sites have been identifi Because the autophosp been hypothesized tha conformation (6). Resea in the kinase inhibitory PAK2 regulates binding similarity with PAK1-3 in site analogous to Thr42	toskeletal reorgan lase, and growth fa / have been report PAK causes autopl (1 at Thr423 by PD ied, including Ser1 ohorylation sites and t modification in the arch indicates that domain) affects king with the adaptor n the amino-termi 23 of PAK1, may pl	erine/threonine kinases ization, MAPK signaling actor-induced neurite ou ed. Binding of Rac/Cdc4 nosphorylation and conf K induces activation of F 99 and Ser204 of PAK1, re located in the amino- nis region prevents the k phosphorylation at Ser inase activity (7). Phosph protein Nck (8). PAK4, P/ nal regulatory region (9) ay a pivotal role in regul ressed, and often overex	, apoptotic signaling utgrowth (1,2). Seve 2 to the CRIB (or PE formational change PAK1 (3). Several au and Ser192 and Ser terminal inhibitory kinase from revertin 144 of PAK1 or Ser1 orylation at Ser21 of AK5/7, and PAK6 ha b. Phosphorylation a ating the activity ar	g, control of ral mechanisms 3D) domain near s in PAK (1). tophosphorylation 197 of PAK2 (4,5). domain, it has g to an inactive 39 of PAK3 (located of PAK1 or Ser20 of ve lower sequence it Ser474 of PAK4, a ad function of PAK4
Background Re	ferences	1. Knaus, U.G. and Boko 2. Daniels, R.H. et al. (1 3. King, C.C. et al. (2000) 4. Manser, E. et al. (199) 5. Gatti, A. et al. (1999) 6. Lei, M. et al. (2000) <i>C</i> 7. Chong, C. et al. (2001) 8. Zhao, Z. et al. (2000) 9. Abo, A. et al. (1998) <i>E</i> 10. Qu, J. et al. (2001) <i>N</i> 11. Wen, Y.Y. et al. (2014)	998) EMBO J. 17, 7) J. Biol. Chem. 275 7) Mol. Cell. Biol. 1 J. Biol. Chem. 274, cell 102, 387-97. 1) J. Biol. Chem. 270 Mol. Cell. Biol. 20, EMBO J. 17, 6527-4 10. Cell. Biol. 21, 3 4) Expert Opin The	5, 41201-9. 7, 1129-43. 8022-8. 6, 17347-53. 3906-17. 0. 523-33. <i>rr Targets</i> 18, 807-15.	0, 857-62.	
Species Reactiv	ity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a	,	membrane with diluted shaking, overnight.	primary antibody ii	ר 5% w/v BSA, 1X
Applications Ke	ey .	W: Western Blotting IP	: Immunoprecipita	ition		
Cross-Reactivit	у Кеу	H: Human M: Mouse R:	: Rat Mk: Monkey	GP: Guinea Pig		

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