e at -20C	PAK3 Antibody	T C	ell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
6(		Support:	877-678-TECH (8324)
<i>‡</i> 2609		Web:	info@cellsignal.com cellsignal.com
#		3 Trask Lane   Danvers   M	assachusetts   01923   USA

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

Applications: React WB, IP H M	tivity: Sensitivity: A R Endogenous	<b>MW (kDa):</b> 65	Source: Rabbit	<b>UniProt ID:</b> #O75914	Entrez-Gene Id: 5063
Product Usage Information	Application Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				lycerol. Store at –
Specificity / Sensitivity	PAK3 Antibody detects endogenous levels of total PAK3 protein. The antibody does not cross-react with PAK1, PAK2 or other PAK family members.				t cross-react with
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the carboxy-terminus of human PAK3. Antibodies are purified by protein A and peptide affinity chromatography.				
Background	The p21-activated kinas processes, including cyl NADPH oxidase, and gr activity have been repor of PAK causes autopho Thr423 by PDK induces including Ser199 and Sr autophosphorylation site that modification in this indicates that phosphory domain) affects kinase a with the adaptor protein the amino-terminal regu PAK1, may play a pivota widely expressed, and c	toskeletal reorganiz rowth factor-inducer rted. Binding of Rac sphorylation and cc activation of PAK1 er204 of PAK1, and es are located in the region prevents the ylation at Ser144 of activity (7). Phosphe Nck (8). PAK4, PA llatory region (9). Pl al role in regulating	ation, MAPK signali d neurite outgrowth C/Cdc42 to the CRIB informational chang (3). Several autoph Ser192 and Ser197 e amino-terminal inh kinase from revertin PAK1 or Ser139 of orylation at Ser21 of K5/7, and PAK6 hav nosphorylation at Set the activity and func-	ng, apoptotic signaling, (1,2). Several mechanis (or PBD) domain near t es in PAK (1). Phosphor osphorylation sites have of PAK2 (4,5). Because ibitory domain, it has be ng to an inactive conform PAK3 (located in the kir PAK1 or Ser20 of PAK2 re lower sequence simila er474 of PAK4, a site an stion of PAK4 (10). PAK	control of phagocyte ms that induce PAK he amino terminus ylation of PAK1 at e been identified, e the en hypothesized nation (6). Research lase inhibitory 2 regulates binding urity with PAK1-3 in alogous to Thr423 of
Background References	<ol> <li>Knaus, U.G. and Bok</li> <li>Daniels, R.H. et al. (1</li> <li>King, C.C. et al. (200</li> <li>Manser, E. et al. (199</li> <li>Gatti, A. et al. (1999)</li> <li>Lei, M. et al. (2000) C</li> <li>Chong, C. et al. (2000)</li> <li>Zhao, Z. et al. (2000)</li> <li>Abo, A. et al. (1998) <i>B</i></li> <li>Qu, J. et al. (2014)</li> <li>Molli, P.R. et al. (2005)</li> </ol>	998) EMBO J. 17, 0) J. Biol. Chem. 27 7) Mol. Cell. Biol. 1 J. Biol. Chem. 274, Cell 102, 387-97. 1) J. Biol. Chem. 27 Mol. Cell. Biol. 20, EMBO J. 17, 6527-4 ol. Cell. Biol. 21, 35 ) Expert Opin Ther	754-64. 7, 41201-9. 7, 1129-43. 8022-8. 6, 17347-53. 3906-17. 40. 23-33. <i>Targets</i> 18, 807-15.		
Species Reactivity	Species reactivity is dete	ermined by testing in	n at least one appro	ved application (e.g., we	stern blot).
Western Blot Buffer	IMPORTANT: For wester 0.1% Tween® 20 at 4°C			d primary antibody in 5%	ó w/v BSA, 1X TBS,
Applications Key Cross-Reactivity Key	WB: Western Blotting IF	2: Immunoprecipitat	ion		

1/1/24, 10:26 AM	PAK3 Antibody (#2609) Datasheet Without Images Cell Signaling Technology			
	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected			
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