PAK2 Antibody		ell Signaling
Store at	Orders:	877-616-CELL (2355) orders@cellsignal.com
8	Support:	877-678-TECH (8324)
#2608	Web:	info@cellsignal.com cellsignal.com
#	3 Trask Lane   Danvers   M	Aassachusetts   01923   USA

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

	Reactivity: H M R Mk GP	Sensitivity: Endogenous	<b>MW (kDa):</b> 61	Source: Rabbit	<b>UniProt ID:</b> #Q13177	Entrez-Gene Id: 5062
Product Usage Information	Wes	lication stern Blotting nunoprecipitation			<b>Dilution</b> 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity / Sensitiv		PAK2 Antibody detects endogenous levels of total PAK2 protein. This antibody does not cross-react with PAK1, PAK3 or PAK4-6.				
Source / Purification	amin	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the amino-terminal region of human PAK2. Antibodies are purified by protein A and peptide affinity chromatography.				
Background	proce NADI activi of PA Thr42 includ autop that r indica doma with t the a PAK1	esses, including cyl PH oxidase, and gr ity have been repor K causes autopho 23 by PDK induces ding Ser199 and So bosphorylation site modification in this ates that phosphory ain) affects kinase a the adaptor protein mino-terminal regu L, may play a pivota	toskeletal reorganiz rowth factor-induce rted. Binding of Rac sphorylation and co activation of PAK1 er204 of PAK1, and es are located in th region prevents the ylation at Ser144 or activity (7). Phosph Nck (8). PAK4, PA llatory region (9). P al role in regulating	ation, MAPK signal d neurite outgrowth c/Cdc42 to the CRIE onformational chang (3). Several autoph Ser192 and Ser19 e amino-terminal inl e kinase from reverti f PAK1 or Ser139 of orylation at Ser21 o K5/7, and PAK6 hav hosphorylation at S	ases is engaged in multip ing, apoptotic signaling, (1,2). Several mechanis 8 (or PBD) domain near t les in PAK (1). Phosphor nosphorylation sites have 7 of PAK2 (4,5). Because hibitory domain, it has be ing to an inactive conform FPAK3 (located in the kir f PAK1 or Ser20 of PAK2 ve lower sequence simila er474 of PAK4, a site an- ction of PAK4 (10). PAK (11,12).	control of phagocyte ms that induce PAK he amino terminus ylation of PAK1 at been identified, e the en hypothesized nation (6). Research hase inhibitory 2 regulates binding arity with PAK1-3 in alogous to Thr423 of
Background Refere	2. Da 3. Kir 4. Ma 5. Ga 6. Lei 7. Ch 8. Zh 9. Ab 10. Qu 11. We	niels, R.H. et al. (1 ng, C.C. et al. (2000 anser, E. et al. (199) it, A. et al. (1999) i, M. et al. (2000) C nong, C. et al. (2000) ao, Z. et al. (2000) o, A. et al. (1998) E I, J. et al. (2001) M	998) EMBO J. 17, D) 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- ol. Cell. Biol. 21, 35 ) Expert Opin Ther	75, 41201-9. .7, 1129-43. , 8022-8. 76, 17347-53. 3906-17. 40. 523-33. <i>Targets</i> 18, 807-15		
Species Reactivity	Specie	es reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	stern blot).
Western Blot Buffer		RTANT: For wester Tween® 20 at 4°C			ed primary antibody in 5%	6 w/v BSA, 1X TBS,
Applications Key	WB: Y	Western Blotting <b>IF</b>	P: Immunoprecipita	tion		

1/1/24, 12:26 PM	PAK2 Antibody (#2608) Datasheet Without Images Cell Signaling Technology
Cross-Reactivity Key	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
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.
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 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.