Store at -20C

2607

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Phospho-PAK2 (Ser20) Antibody

Applications: WB	Reactivity: H M GP	Sensitivity: Endogenous	MW (kDa): 61 to 67	Source: Rabbit	UniProt ID: #Q13177	Entrez-Gene Id: 5062
Product Usage Information	-	plication stern Blotting			Dilution 1:1000	
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 / Sensit		,		0	f PAK2 only when phosp ed PAK family members	,
Species predicted react based on 100 sequence homolog	9%					
Source / Purificatio	to re			0	h a synthetic phosphope purified by protein A and	
Background	proc NAE activ of P Thr4 inclu auto that indic dom with the a PAK	esses, including cyt PH oxidase, and gr rity have been repor AK causes autophos 23 by PDK induces uding Ser199 and Se phosphorylation site modification in this cates that phosphory ain) affects kinase a the adaptor protein amino-terminal regu 1, may play a pivota	coskeletal reorganiz rowth factor-induce ted. Binding of Rac sphorylation and co activation of PAK1 er204 of PAK1, and es are located in th region prevents the ylation at Ser144 of activity (7). Phosph Nck (8). PAK4, PA latory region (9). P al role in regulating	cation, MAPK signali d neurite outgrowth c/Cdc42 to the CRIB onformational chang (3). Several autoph ser192 and Ser19 e amino-terminal inh e kinase from reverti f PAK1 or Ser139 of orylation at Ser21 of K5/7, and PAK6 hav hosphorylation at Se	ses is engaged in multip ing, apoptotic signaling, (1,2). Several mechanis (or PBD) domain near t es in PAK (1). Phosphor tosphorylation sites have of PAK2 (4,5). Because hibitory domain, it has be ng to an inactive conform PAK3 (located in the kir f PAK1 or Ser20 of PAK2 re lower sequence simila er474 of PAK4, a site and 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 een hypothesized nation (6). Research hase inhibitory 2 regulates binding arity with PAK1-3 in alogous to Thr423 of
Background Refere	2. D 3. Ki 4. M 5. G 6. Le 7. C 8. Zl 9. Al 10. Q 11. W	aniels, R.H. et al. (1 ng, C.C. et al. (2000 anser, E. et al. (199) atti, A. et al. (1999) ei, M. et al. (2000) <i>C</i> hong, C. et al. (2000) nao, Z. et al. (2000) po, A. et al. (1998) <i>E</i> u, J. et al. (2001) <i>M</i>	998) EMBO J. 17, D) J. Biol. Chem. 27 7) Mol. Cell. Biol. 1 J. Biol. Chem. 274 cell 102, 387-97. L) 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

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

1/1/24, 3:49 PM	Phospho-PAK2 (Ser20) Antibody (#2607) Datasheet Without Images Cell Signaling Technology 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: 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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