

## p21-Activated Kinases

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### Recent Publications on p21-Activated Kinases:

- [Separase cooperates with Zds1 and Zds2 to activate Cdc14 phosphatase in early anaphase.](#)  
*Completion of mitotic exit and cytokinesis requires the inactivation of...*10th October, 2008  
Chromosome Segregation Laboratory, Cancer Research UK London Research- J Cell Biol. 2008 Sep 8;182(5):873-83. Epub 2008 Sep 1. ([DOI Direct Link](#))
- [p21-activated kinase signaling regulates oxidant-dependent NF-kappa B activation by flow.](#)  
*Disturbed blood flow induces inflammatory gene expression in endothelial...*9th October, 2008  
Cardiovascular Research Center, University of Virginia, Charlottesville,- Circ Res. 2008 Sep 12;103(6):671-9. Epub 2008 Jul 31. ([DOI Direct Link](#))
- [Validation of the p21-activated kinases as targets for inhibition in neurofibromatosis type 2.](#)  
*Neurofibromatosis type 2 (NF2) is a dominantly inherited cancer disorder...*3rd October, 2008  
Molecular and Cellular Oncogenesis Program, The Wistar Institute,- Cancer Res. 2008 Oct 1;68(19):7932-7. ([DOI Direct Link](#))
- [Rho GTPases and p21-activated kinase in the regulation of proliferation and apoptosis by gastrins.](#)  
*Gastrins, including amidated gastrin (Gamide) and glycine-extended gastrin...*3rd October, 2008  
Department of Surgery, University of Melbourne, Austin Health, Studley- Int J Biochem Cell Biol. 2008;40(10):2018-22. Epub 2008 May 15. ([DOI Direct Link](#))
- [UnPAKING the class differences among p21-activated kinases.](#)  
*The p21-activated kinases (PAKs) are signal transducers, central to many...*1st October, 2008  
University of Oxford, Structural Genomics, Old Road Campus Research- Trends Biochem Sci. 2008 Aug;33(8):394-403. Epub 2008 Jul 17. ([DOI Direct Link](#))
- [Serine 28 phosphorylation of NRIF3 confers its co-activator function for estrogen receptor-alpha transactivation.](#)  
*NRIF3 is an estrogen-inducible nuclear receptor coregulator that...*1st October, 2008  
Molecular and Cellular Oncology, University of Texas MD Anderson Cancer- Oncogene. 2008 Sep 4;27(39):5233-42. Epub 2008 Jun 2. ([DOI Direct Link](#))
- [Filamin A links sphingosine kinase 1 and sphingosine-1-phosphate receptor 1 at lamellipodia to orchestrate cell migration.](#)  
*Sphingosine kinase 1 (SphK1) catalyzes the phosphorylation of sphingosine...*30th September, 2008  
Department of Biochemistry and Molecular Biology, VCU School of Medicine,- Mol Cell Biol. 2008 Sep;28(18):5687-97. Epub 2008 Jul 21. ([DOI Direct Link](#))
- [The potassium ion channel opener NS1619 inhibits proliferation and induces apoptosis in A2780 ovarian cancer cells.](#)  
*Diverse types of voltage-gated potassium (K+) channels have been shown to...*19th September, 2008

Cancer Biology Research Center, Tongji Hospital, Tongji Medical College,- Biochem Biophys Res Commun. 2008 Oct 17;375(2):205-9. Epub 2008 Aug 13. ([DOI Direct Link](#))

- [The pak4 protein kinase plays a key role in cell survival and tumorigenesis in athymic mice.](#)  
*Pak4 is a member of the B group of p21-activated (Pak) kinases, originally...*17th September, 2008  
Department of Chemical Biology, Ernest Mario School of Pharmacy, Rutgers,- Mol Cancer Res. 2008 Jul;6(7):1215-24. ([DOI Direct Link](#))
- [Increased PAK6 expression in prostate cancer and identification of PAK6 associated proteins.](#)  
*BACKGROUND: PAK6 is a member of the p21-activated kinase (PAK) family of...*17th September, 2008  
Department of Medicine, Cancer Biology Program, Hematology-Oncology- Prostate. 2008 Oct 1;68(14):1510-6. ([DOI Direct Link](#))
- [Methylation of the calcium channel-related gene, CACNA2D3, is frequent and a poor prognostic factor in gastric cancer.](#)  
*BACKGROUND & AIMS: The calcium channel voltage-dependent alpha2delta...*3rd September, 2008  
Department of Molecular Oncology, Graduate School of Medicine and- Gastroenterology. 2008 Aug;135(2):580-90. Epub 2008 May 16. ([DOI Direct Link](#))
- [COX-2 promoter activation by AT1R-Gq-PAK-p38beta signaling in intestinal epithelial cells.](#)  
*Cyclooxygenase-2 (COX-2) is rapidly induced by angiotensin (Ang)-II in the...*20th August, 2008  
Department of Medicine, David Geffen School of Medicine, University of- Biochim Biophys Acta. 2008 Jun-Jul;1779(6-7):408-13. Epub 2008 May 13. ([DOI Direct Link](#))
- [Roles of P21-activated kinases and associated proteins in epithelial wound healing.](#)  
*The primary function of epithelia is to provide a barrier between the...*12th August, 2008  
Department of Surgery, University of Chicago, Chicago, IL 60637, USA.- Int Rev Cell Mol Biol. 2008;267:253-98. ([DOI Direct Link](#))
- [The Drosophila p21 activated kinase Mbt modulates DE-cadherin mediated cell adhesion by phosphorylation of Armadillo.](#)  
*Phosphorylations by tyrosine and serine/threonine kinases regulate the...*19th July, 2008  
- Biochem J. 2008 Jul 17. ([DOI Direct Link](#))
- [Myotonic dystrophy protein kinase \(DMPK\) and its role in the pathogenesis of myotonic dystrophy 1.](#)  
*Myotonic dystrophy 1 (DM1) is an autosomal, dominant inherited,...*28th June, 2008  
Institut d'Investigacions Biomediques August Pi i Sunyer- Cell Signal. 2008 May 18. ([DOI Direct Link](#))

## p21-Activated Kinases Patents:



- 7396533- [Polypeptides and nucleic acids encoding same](#)
- 6645728- [Inhibitor of the inflammatory response induced by TNF.alpha. and IL-1](#)
- 6599726- [Compositions and methods comprising cytosolic protein kinase](#)
- 6586242- [TAO protein kinases and methods of use therefor](#)
- 6555325- [System for detection of a functional interaction between a compound and a cellular signal transduction component](#)
- 6524833- [Two sterile-20 kinase-like proteins and methods of use thereof](#)
- 6504008- [Cell based signal generation](#)
- 6383734- [Method to determine inhibition of PAK3 activation of Raf-1](#)
- 6265538- [Inhibitor of the inflammatory response induced by the TNFA and IL-1](#)

- 6165461- [Tao protein kinases and methods of use therefor](#)
- 5994070- [Trio molecules and uses related thereto](#)
- 5952217- [Recombinant yeast cell and assay using same](#)
- 6656716- [Polypeptide fragments of human PAK5 protein kinase](#)
- 6680170- [Polynucleotides encoding STE20-related protein kinases and methods of use](#)
- 6720175- [Nucleic acid molecule encoding homer 1B protein](#)
- 7378498- [Protein encoded by a nucleic acid](#)
- 7319024- [C. elegans p21-activated kinase \(PAK\) gene and associated loss-of-function phenotypes that facilitate screening for small molecule modulators of PAK activity in the nematode, caenorhabditis elegans](#)
- 7223533- [Cell surface proteins and use thereof as indicators of activation of cellular signal transduction pathways](#)
- 7153683- [TAO protein kinase polypeptides and methods of use therefor](#)
- 7118854- [PAK2: modulators of lymphocyte activation](#)
- 7090991- [System for detection of a functional interaction between a compound and a cellular signal transduction component](#)
- 7078182- [TAO protein kinase polypeptides and methods of use therefor](#)
- 7067633- [Targeting cellular entry, cell survival, and pathogenicity by dynein light chain 1/PIN in human cells](#)
- 7022513- [Cell based signal generation](#)
- 7005285- [Human p21-activated kinase 5 polypeptide](#)
- 6864083- [Nucleic acid molecule encoding homer 2a protein](#)
- 5863532- [Compositions and methods comprising cytostatic protein kinase](#)

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