

Calcium-Calmodulin-Dependent Protein Kinase Type 4

[View the current Calcium-Calmodulin-Dependent Protein Kinase Type 4 InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Calcium-Calmodulin-Dependent_Protein_Kinase_Type_4.html)
(http://www.bioportfolio.com/indepth/Calcium-Calmodulin-Dependent_Protein_Kinase_Type_4.html)

Recent Publications on Calcium-Calmodulin-Dependent Protein Kinase Type 4:



- [Genetic enhancement of trace fear memory and cingulate potentiation in mice overexpressing Ca²⁺/calmodulin-dependent protein kinase IV.](#)
Long-term potentiation (LTP) is a key cellular model for studying... 2nd July, 2008
Department of Physiology, University of Toronto, 1 King's College Circle,- Eur J Neurosci. 2008 Apr;27(8):1923-32. ([DOI Direct Link](#))
- [Difference in physiogenomics between male and female infertility.](#)
Infertility is an important condition in reproductive medicine. According... 21st June, 2008
Wiwanitkit House, Bangkhuae, Bangkok, Thailand; Hainan Medical College,- Andrologia. 2008 Jun;40(3):158-60. ([DOI Direct Link](#))
- [o-GlcNAc transferase is activated by CaMKIV-dependent phosphorylation under potassium chloride-induced depolarization in NG-108-15 cells.](#)
Post-translational modification of cellular proteins by beta-o-linked... 12th June, 2008
Department of Life Science, Division of Molecular and Life Science, Pohang- Cell Signal. 2008 Jan;20(1):94-104. Epub 2007 Sep 22. ([DOI Direct Link](#))
- [Roles of calcium-stimulated adenylyl cyclase and calmodulin-dependent protein kinase IV in the regulation of FMRP by group I metabotropic glutamate receptors.](#)
The fragile X syndrome is caused by the lack of fragile X mental... 21st May, 2008
Department of Physiology, Faculty of Medicine, University of Toronto,- J Neurosci. 2008 Apr 23;28(17):4385-97. ([DOI Direct Link](#))
- [Neuroprotection by neurotrophic factors and membrane depolarization is regulated by calmodulin kinase IV.](#)
Neurotrophic factors promote motoneuron (MN) survival through increased... 6th May, 2008
Cell Signaling and Apoptosis Group, Departament de Ciencies Mediques- J Biol Chem. 2008 Feb 15;283(7):4133-44. Epub 2007 Dec 13. ([DOI Direct Link](#))
- [Adeno-associated virus \(AAV\)-mediated suppression of Ca²⁺/calmodulin kinase IV activity in the nucleus accumbens modulates emotional behaviour in mice.](#)
BACKGROUND: Calcium/calmodulin-dependent protein kinase IV (CaMKIV)... 9th April, 2008
Central Institute of Mental Health (ZI), Department of Psychopharmacology,- BMC Neurosci. 2007 Dec 3;8:105. ([DOI Direct Link](#))
- [Calmodulin-dependent kinase IV links Toll-like receptor 4 signaling with survival pathway of activated dendritic cells.](#)

- Microbial products, including lipopolysaccharide (LPS), an agonist of...* 12th March, 2008
Department of Molecular and Cellular Biology and Pathology, Federico II- Blood. 2008 Jan 15;111(2):723-31. Epub 2007 Oct 1. ([DOI Direct Link](#))
- [Physiological roles of the Ca²⁺/CaM-dependent protein kinase cascade in health and disease.](#)
Numerous hormones, growth factors and physiological processes cause a rise... 6th February, 2008
Department of Pharmacology and Cancer Biology, Duke University Medical- Subcell Biochem. 2007;45:169-214.
 - [GATA-2 functions downstream of BMPs and CaM KIV in ectodermal cells during primitive hematopoiesis.](#)
In Xenopus, primitive blood originates from the mesoderm, but extrinsic... 4th January, 2008
Department of Cell and Developmental Biology, Oregon Health and Science- Dev Biol. 2007 Oct 15;310(2):454-69. Epub 2007 Aug 16. ([DOI Direct Link](#))
 - [CaMKII and CaMKIV mediate distinct prosurvival signaling pathways in response to depolarization in neurons.](#)
By fusing the CaMKII-inhibitory peptide AIP to GFP, we constructed a... 7th December, 2007
Department of Biological Sciences, University of Iowa, Iowa City, IA- Mol Cell Neurosci. 2007 Sep;36(1):13-26. Epub 2007 Jun 27. ([DOI Direct Link](#))
 - [Nicotine prevents disruption of the late phase LTP-related molecular cascade in adult-onset hypothyroidism.](#)
We have shown previously that chronic nicotine treatment reverses... 1st November, 2007
Department of Pharmacological and Pharmaceutical Sciences, College of- Hippocampus. 2007;17(8):654-64. ([DOI Direct Link](#))
 - [\[Effects of calcium and calmodulin dependent kinase against hypoxic neuronal injury\]](#)
OBJECTIVE: To study the effects of calcium and calmodulin dependent kinase... 31st October, 2007
Department of Pediatrics, West China Second University Hospital, Sichuan- Zhongguo Dang Dai Er Ke Za Zhi. 2007 Aug;9(4):324-6.
 - [X-box-binding protein 1 activates lytic Epstein-Barr virus gene expression in combination with protein kinase D.](#)
Epstein-Barr virus (EBV) establishes a latent form of infection in memory... 15th September, 2007
Department of Medicine, Lineberger Comprehensive Cancer Center, University- J Virol. 2007 Jul;81(14):7363-70. Epub 2007 May 9. ([DOI Direct Link](#))
 - [Interphase-specific phosphorylation-mediated regulation of tubulin dimer partitioning in human cells.](#)
The microtubule cytoskeleton is differentially regulated by a diverse... 12th July, 2007
Department of Molecular Biology, Umea University, SE-901 87 Umea, Sweden.- Mol Biol Cell. 2007 May;18(5):1909-17. Epub 2007 Mar 7. ([DOI Direct Link](#))
 - [ER81 and CaMKIV identify anatomically and phenotypically defined subsets of mouse olfactory bulb interneurons.](#)
The mechanisms underlying dopamine (DA) phenotypic differentiation in the... 22nd June, 2007
Department of Anatomy and Cell Biology, Yamagata University School of- J Comp Neurol. 2007 Jun 1;502(4):485-96. ([DOI Direct Link](#))

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

