

# Calcium-Calmodulin-Dependent Protein Kinase Type 2

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Department of Physiology and Biophysics, Georgetown University Medical- Can J Physiol Pharmacol. 2008 Jul;86(7):438-48. ([DOI Direct Link](#))
- [An allosteric model of calmodulin explains differential activation of PP2B and CaMKII.](#)  
*Calmodulin plays a vital role in mediating bidirectional synaptic...* 26th September, 2008  
European Molecular Biology Laboratory-European Bioinformatics Institute,- Proc Natl Acad Sci U S A. 2008 Aug 5;105(31):10768-73. Epub 2008 Jul 31. ([DOI Direct Link](#))
- [Genetic dissection of the role of catechol-O-methyltransferase in cognition and stress reactivity in mice.](#)  
*The COMT (catechol-O-methyltransferase) gene has been linked to a spectrum...* 19th September, 2008  
Clinical Brain Disorders Branch, Genes, Cognition and Psychosis Program,- J Neurosci. 2008 Aug 27;28(35):8709-23. ([DOI Direct Link](#))
- [Optical induction of plasticity at single synapses reveals input-specific accumulation of alphaCaMKII.](#)  
*Long-term potentiation (LTP), a form of synaptic plasticity, is a primary...* 17th September, 2008  
Friedrich Miescher Institute, Maulbeerstrasse 66, CH-4058 Basel,- Proc Natl Acad Sci U S A. 2008 Aug 19;105(33):12039-44. Epub 2008 Aug 12. ([DOI Direct Link](#))
- [Flightless-I, a gelsolin family member and transcriptional regulator, preferentially binds directly to activated cytosolic CaMK-II.](#)  
*In order to evaluate links between Ca<sup>2+</sup>/calmodulin (CaM)-dependent protein...* 16th September, 2008  
Department of Biology, Virginia Commonwealth University, Richmond, VA- FEBS Lett. 2008 Jul 23;582(17):2489-95. Epub 2008 Jun 25. ([DOI Direct Link](#))
- [Ethanol inhibition of recombinant NMDA receptors is not altered by coexpression of CaMKII-alpha or CaMKII-beta.](#)  
*Previous studies have shown that the N-methyl-d-aspartate (NMDA) receptor...* 16th September, 2008  
Department of Neurosciences and Center for Drug and Alcohol Programs,- Alcohol. 2008 Aug;42(5):425-32. Epub 2008 Jun 17. ([DOI Direct Link](#))
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*Excitatory synaptic transmission in the central nervous system (CNS) is...* 13th September, 2008  
Division of Neuronal Network, Department of Basic Medical Sciences,- Brain Nerve. 2008

Jul;60(7):707-15.

- [Early alterations of AMPA receptors mediate synaptic potentiation induced by neonatal seizures.](#)  
*The highest incidence of seizures during lifetime is found in the neonatal...*10th September, 2008  
Department of Neurology, Division of Neuroscience, Children's Hospital,- J Neurosci. 2008 Aug 6;28(32):7979-90. ([DOI Direct Link](#))
- [Distinct regulation of beta2 and beta3 subunit-containing cerebellar synaptic GABAA receptors by calcium/calmodulin-dependent protein kinase II.](#)  
*Modulation of GABA(A) receptor function and inhibitory synaptic...*3rd September, 2008  
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- [Parallel memory processing by the CA1 region of the dorsal hippocampus and the basolateral amygdala.](#)  
*There is abundant literature on the role of the basolateral amygdala (BLA)...*30th August, 2008  
Centro de Memoria, Instituto de Pesquisas Biomedicas, Pontificia- Proc Natl Acad Sci U S A. 2008 Jul 29;105(30):10279-84. Epub 2008 Jul 22. ([DOI Direct Link](#))
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*OBJECTIVE: Calcium plays an important role in the impairment of heart...*30th August, 2008  
Shanghai Children's Medical Center, Shanghai Jiao Tong University,- Zhongguo Dang Dai Er Ke Za Zhi. 2008 Jun;10(3):381-5.
- [Learning drives differential clustering of axodendritic contacts in the barn owl auditory system.](#)  
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*The multifunctional Ca(2+)/calmodulin-dependent protein kinase II (CaMKII)...*13th August, 2008  
Departments of Internal Medicine, Division of Cardiovascular Medicine,- Physiology (Bethesda). 2008 Jun;23:151-9. ([DOI Direct Link](#))
- [Calreticulin inhibits commitment to adipocyte differentiation.](#)  
*Calreticulin, an endoplasmic reticulum (ER) resident protein, affects many...*9th August, 2008  
Department of Laboratory Medicine and Pathobiology, Institute of Medical- J Cell Biol. 2008 Jul 14;182(1):103-16. Epub 2008 Jul 7. ([DOI Direct Link](#))
- [Differential role of calcium/calmodulin-dependent protein kinase II in desflurane-induced preconditioning and cardioprotection by metoprolol: metoprolol blocks desflurane-induced preconditioning.](#)  
*BACKGROUND: Anesthetic preconditioning is mediated by beta- adrenergic...*22nd July, 2008  
Department of Anesthesiology and Critical Care, Wurzburg, Germany.- Anesthesiology. 2008 Jul;109(1):72-80. ([DOI Direct Link](#))

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