

Resource Summary Report

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CaMKII pan Antibody

RRID:AB_2067938

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 3362, RRID:AB_2067938)

Antibody Information

URL: http://antibodyregistry.org/AB_2067938

Proper Citation: (Cell Signaling Technology Cat# 3362, RRID:AB_2067938)

Target Antigen: Camk2b

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation on 10/2018: AB_10692639, AB_2067938.

Antibody Name: CaMKII pan Antibody

Description: This polyclonal targets Camk2b

Target Organism: human, mouse, rat

Antibody ID: AB_2067938

Vendor: Cell Signaling Technology

Catalog Number: 3362

Ratings and Alerts

No rating or validation information has been found for CaMKII pan Antibody.

No alerts have been found for CaMKII pan Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Li C, et al. (2023) A neural circuit for regulating a behavioral switch in response to prolonged uncontrollability in mice. *Neuron*, 111(17), 2727.

Martínez-Rivera A, et al. (2023) Cav1.3 L-type Ca²⁺ channel-activated CaMKII/ERK2 pathway in the ventral tegmental area is required for cocaine conditioned place preference. *Neuropharmacology*, 224, 109368.

Lin NH, et al. (2023) Neuroprotective Effects of a Multi-Herbal Extract on Axonal and Synaptic Disruption in Vitro and Cognitive Impairment in Vivo. *Journal of Alzheimer's disease reports*, 7(1), 51.

Barone I, et al. (2023) Synaptic BMAL1 phosphorylation controls circadian hippocampal plasticity. *Science advances*, 9(43), eadj1010.

Alphonse N, et al. (2022) A family of conserved bacterial virulence factors dampens interferon responses by blocking calcium signaling. *Cell*, 185(13), 2354.

Komolov KE, et al. (2021) Structure of a GRK5-Calmodulin Complex Reveals Molecular Mechanism of GRK Activation and Substrate Targeting. *Molecular cell*, 81(2), 323.

Eigler T, et al. (2021) ERK1/2 inhibition promotes robust myotube growth via CaMKII activation resulting in myoblast-to-myotube fusion. *Developmental cell*, 56(24), 3349.

Gould NR, et al. (2021) Disparate bone anabolic cues activate bone formation by regulating the rapid lysosomal degradation of sclerostin protein. *eLife*, 10.

Zhan JQ, et al. (2021) Flavonoid fisetin reverses impaired hippocampal synaptic plasticity and cognitive function by regulating the function of AMPARs in a male rat model of schizophrenia. *Journal of neurochemistry*, 158(2), 413.

Koszka O, et al. (2020) The Antipsychotic D2AAK1 as a Memory Enhancer for Treatment of Mental and Neurodegenerative Diseases. *International journal of molecular sciences*, 21(22).

Michalak A, et al. (2020) Diazepam and SL-327 synergistically attenuate anxiety-like behaviours in mice - Possible hippocampal MAPKs specificity. *Neuropharmacology*, 180, 108302.

Zhang W, et al. (2019) Arc Oligomerization Is Regulated by CaMKII Phosphorylation of the

GAG Domain: An Essential Mechanism for Plasticity and Memory Formation. *Molecular cell*, 75(1), 13.

Nakanishi M, et al. (2019) Human Pluripotency Is Initiated and Preserved by a Unique Subset of Founder Cells. *Cell*, 177(4), 910.

Kameda H, et al. (2019) Proton Sensitivity of Corticotropin-Releasing Hormone Receptor 1 Signaling to Proopiomelanocortin in Male Mice. *Endocrinology*, 160(2), 276.

Jin C, et al. (2019) Shank3 regulates striatal synaptic abundance of Cyld, a deubiquitinase specific for Lys63-linked polyubiquitin chains. *Journal of neurochemistry*, 150(6), 776.

Bavley CC, et al. (2018) Rescue of Learning and Memory Deficits in the Human Nonsyndromic Intellectual Disability Cereblon Knock-Out Mouse Model by Targeting the AMP-Activated Protein Kinase-mTORC1 Translational Pathway. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(11), 2780.

Burgdorf CE, et al. (2017) Extinction of Contextual Cocaine Memories Requires Cav1.2 within D1R-Expressing Cells and Recruits Hippocampal Cav1.2-Dependent Signaling Mechanisms. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(49), 11894.

Phensy A, et al. (2017) Antioxidant Treatment in Male Mice Prevents Mitochondrial and Synaptic Changes in an NMDA Receptor Dysfunction Model of Schizophrenia. *eNeuro*, 4(4).

Hu B, et al. (2016) Epigenetic Activation of WNT5A Drives Glioblastoma Stem Cell Differentiation and Invasive Growth. *Cell*, 167(5), 1281.