

Resource Summary Report

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Mouse Anti-CaM Kinase II, alpha subunit Monoclonal antibody, Unconjugated

RRID:AB_309787

Type: Antibody

Proper Citation

(Millipore Cat# 05-532, RRID:AB_309787)

Antibody Information

URL: http://antibodyregistry.org/AB_309787

Proper Citation: (Millipore Cat# 05-532, RRID:AB_309787)

Target Antigen: CaM Kinase II, alpha subunit

Host Organism: mouse

Clonality: monoclonal

Comments: seller recommendations: Immunohistochemistry; Western Blot; Western Blotting, Immunohistochemistry

Antibody Name: Mouse Anti-CaM Kinase II, alpha subunit Monoclonal antibody, Unconjugated

Description: This monoclonal targets CaM Kinase II, alpha subunit

Target Organism: rat, bovine

Defining Citation: [PMID:18335544](#)

Antibody ID: AB_309787

Vendor: Millipore

Catalog Number: 05-532

Record Creation Time: 20231110T044946+0000

Record Last Update: 20241115T125758+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-CaM Kinase II, alpha subunit Monoclonal antibody, Unconjugated.

No alerts have been found for Mouse Anti-CaM Kinase II, alpha subunit Monoclonal antibody, Unconjugated.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Elorette C, et al. (2024) The neural basis of resting-state fMRI functional connectivity in fronto-limbic circuits revealed by chemogenetic manipulation. *Nature communications*, 15(1), 4669.

Concina G, et al. (2024) Hippocampus-to-amygdala pathway drives the separation of remote memories of related events. *Cell reports*, 43(5), 114151.

Aralla R, et al. (2024) The Neural Representation of Binaural Sound Localization Cues Across Different Subregions of the Chicken's Inferior Colliculus. *The Journal of comparative neurology*, 532(7), e25653.

Caffino L, et al. (2024) Chronic Lithium Treatment Alters NMDA and AMPA Receptor Synaptic Availability and Dendritic Spine Organization in the Rat Hippocampus. *Current neuropharmacology*, 22(12), 2045.

Mottarlini F, et al. (2024) Communal nesting shapes the sex-dependent glutamatergic response to early life stress in the rat prefrontal cortex. *Frontiers in psychiatry*, 15, 1406687.

Zhu Q, et al. (2023) Human cortical interneurons optimized for grafting specifically integrate, abort seizures, and display prolonged efficacy without over-inhibition. *Neuron*, 111(6), 807.

Baldicano AK, et al. (2022) Retinal ganglion cells expressing CaM kinase II in human and nonhuman primates. *The Journal of comparative neurology*, 530(9), 1470.

Chan HH, et al. (2022) Deep cerebellar stimulation enhances cognitive recovery after prefrontal traumatic brain injury in rodent. *Experimental neurology*, 355, 114136.

Bourdenx M, et al. (2021) Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. *Cell*, 184(10), 2696.

Barnett SC, et al. (2021) Anterior thalamic nuclei neurons sustain memory. *Current research in neurobiology*, 2, 100022.

Cho HY, et al. (2021) Turnover of fear engram cells by repeated experience. *Current biology : CB*, 31(24), 5450.

Seo S, et al. (2021) A schizophrenia risk factor induces marked anatomical deficits at GABAergic-dopaminergic synapses in the rat ventral tegmental area: Essential evidence for new targeted therapies. *The Journal of comparative neurology*, 529(18), 3946.

Alvarado JA, et al. (2021) Developmental distribution of primary cilia in the retinofugal visual pathway. *The Journal of comparative neurology*, 529(7), 1442.

Schinzel F, et al. (2021) The Lbx1 lineage differentially contributes to inhibitory cell types of the dorsal cochlear nucleus, a cerebellum-like structure, and the cerebellum. *The Journal of comparative neurology*, 529(11), 3032.

Hwang H, et al. (2021) Neurogranin, Encoded by the Schizophrenia Risk Gene NRG1, Bidirectionally Modulates Synaptic Plasticity via Calmodulin-Dependent Regulation of the Neuronal Phosphoproteome. *Biological psychiatry*, 89(3), 256.

Chang CW, et al. (2021) Tau reduction affects excitatory and inhibitory neurons differently, reduces excitation/inhibition ratios, and counteracts network hypersynchrony. *Cell reports*, 37(3), 109855.

Hagihara H, et al. (2021) Protein lactylation induced by neural excitation. *Cell reports*, 37(2), 109820.

Yu XW, et al. (2020) A role for CIM6P/IGF2 receptor in memory consolidation and enhancement. *eLife*, 9.

Gou G, et al. (2020) SynGAP splice variants display heterogeneous spatio-temporal expression and subcellular distribution in the developing mammalian brain. *Journal of neurochemistry*, 154(6), 618.

Gerace E, et al. (2020) Differential mechanisms of tolerance induced by NMDA and 3,5-dihydroxyphenylglycine (DHPG) preconditioning. *Journal of neurochemistry*, 155(6), 638.