

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

CaMKII-? (6G9) Mouse

RRID:AB_2721906

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 50049, RRID:AB_2721906)

Antibody Information

URL: http://antibodyregistry.org/AB_2721906

Proper Citation: (Cell Signaling Technology Cat# 50049, RRID:AB_2721906)

Target Antigen: CaMKII-?

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-F, IF-IC

Antibody Name: CaMKII-? (6G9) Mouse

Description: This monoclonal targets CaMKII-?

Target Organism: rat, mouse, human

Clone ID: 6G9

Antibody ID: AB_2721906

Vendor: Cell Signaling Technology

Catalog Number: 50049

Record Creation Time: 20260708T051750+0000

Record Last Update: 20260828T180322+0000

Ratings and Alerts

No rating or validation information has been found for CaMKII-? (6G9) Mouse.

No alerts have been found for CaMKII-? (6G9) Mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Xiong S, et al. (2026) BEST1-mediated tonic excitation facilitates anxiety-like behaviors in a mouse model of chronic neuropathic pain. *Cell reports*, 45(4), 117229.

Li SJ, et al. (2026) A disinhibitory basal forebrain-to-cortex projection supports sustained attention. *Cell*, 189(13), 4140.

You Y, et al. (2026) Amygdala stress-responsive ensembles mediate distinct susceptibility to negative stress-induced remote depression in adolescent and adult mice. *Cell reports*, 45(4), 117281.

Yao H, et al. (2026) Piriform cortex gates learned fear through a brain-spleen neuroimmune axis. *Neuron*.

Nasir F, et al. (2025) NaHS alters synaptic plasticity proteins and enhances dendritic arborization to improve cognitive and motor deficits after traumatic brain injury in mice. *British journal of pharmacology*, 182(5), 1183.

Shi Y, et al. (2025) Piezo1 senses hyphae and initiates host defense against pathogenic fungi. *Cell reports*, 44(6), 115839.

Chen H, et al. (2025) Impaired macroautophagy in oligodendrocyte precursor cells suppresses neuronal plasticity via a senescence-associated signaling. *Science advances*, 11(39), eadq7665.

Huang Z, et al. (2025) Hippocampal Inhibitory Interneuron-Specific DREADDs Treatment Alters mTORC1-4E-BP Signaling and Impairs Memory Formation. *Journal of neurochemistry*, 169(3), e70048.

Xie T, et al. (2025) An excitatory circuit in the ventrolateral periaqueductal gray drives hypometabolic state during acute systemic inflammation. *Cell reports*, 44(10), 116394.

Frame AK, et al. (2024) Altered neuronal lactate dehydrogenase A expression affects cognition in a sex- and age-dependent manner. *iScience*, 27(7), 110342.

Tiwari P, et al. (2024) Ventral hippocampal parvalbumin interneurons gate the acute anxiolytic action of the serotonergic psychedelic DOI. *Neuron*, 112(22), 3697.

Hou Y, et al. (2024) Involvement and regulation of the left anterior cingulate cortex in the ultrasonic communication deficits of autistic mice. *Frontiers in behavioral neuroscience*, 18, 1387447.

Wei X, et al. (2023) mPFC DUSP1 mediates adolescent cocaine exposure-induced higher sensitivity to drug in adulthood. *EMBO reports*, 24(9), e56981.

Liu P, et al. (2023) Negative valence encoding in the lateral entorhinal cortex during aversive olfactory learning. *Cell reports*, 42(10), 113204.

Lin YH, et al. (2023) Ketone bodies promote stroke recovery via GAT-1-dependent cortical network remodeling. *Cell reports*, 42(4), 112294.

Zheng Y, et al. (2023) Paternal methamphetamine exposure induces higher sensitivity to methamphetamine in male offspring through driving ADRB1 on CaMKII-positive neurons in mPFC. *Translational psychiatry*, 13(1), 324.

Hooshmandi M, et al. (2023) Protocol for measuring protein synthesis in specific cell types in the mouse brain using in vivo non-canonical amino acid tagging. *STAR protocols*, 5(1), 102775.

Majumder S, et al. (2023) Cell-type-specific plasticity shapes neocortical dynamics for motor learning. *bioRxiv : the preprint server for biology*.

Keary KM, et al. (2023) Dendritic distribution of autophagosomes underlies pathway-selective induction of LTD. *Cell reports*, 42(8), 112898.

Zheng HY, et al. (2023) Excitatory neurons in the lateral parabrachial nucleus mediate the interruptive effect of inflammatory pain on a sustained attention task. *Journal of translational medicine*, 21(1), 896.