# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 5, 2025

## 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:** 20231110T033725+0000

**Record Last Update:** 20240725T054247+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 19 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


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.

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

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.

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.

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.

Ueda HH, et al. (2022) Chronic neuronal excitation leads to dual metaplasticity in the signaling for structural long-term potentiation. Cell reports, 38(1), 110153.

Zhu XC, et al. (2022) Crry silencing alleviates Alzheimer's disease injury by regulating neuroinflammatory cytokines and the complement system. Neural regeneration research, 17(8), 1841.

Sekar R, et al. (2022) Vps37a regulates hepatic glucose production by controlling glucagon receptor localization to endosomes. Cell metabolism, 34(11), 1824.

Li M, et al. (2022) Activation of VIP interneurons in the prefrontal cortex ameliorates neuropathic pain aversiveness. Cell reports, 40(11), 111333.

Mutoh H, et al. (2022) Elucidation of pathological mechanism caused by human disease mutation in CaMKII?. Journal of neuroscience research, 100(3), 880.

Lin Y, et al. (2021) Environmental enrichment implies GAT-1 as a potential therapeutic target for stroke recovery. Theranostics, 11(8), 3760.

Singh A, et al. (2020) Mapping Cortical Integration of Sensory and Affective Pain Pathways. Current biology : CB, 30(9), 1703.

Gulisano W, et al. (2019) Neuromodulatory Action of Picomolar Extracellular A?42 Oligomers on Presynaptic and Postsynaptic Mechanisms Underlying Synaptic Function and Memory. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(30), 5986.

Dias DO, et al. (2018) Reducing Pericyte-Derived Scarring Promotes Recovery after Spinal Cord Injury. Cell, 173(1), 153.

Nishiyama J, et al. (2017) Virus-Mediated Genome Editing via Homology-Directed Repair in Mitotic and Postmitotic Cells in Mammalian Brain. Neuron, 96(4), 755.