

# Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

## CaMKII beta antibody

RRID:AB\_2275072

Type: Antibody

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### Proper Citation

Abcam Cat# ab34703, RRID:AB\_2275072

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2275072](http://antibodyregistry.org/AB_2275072)

**Proper Citation:** Abcam Cat# ab34703, RRID:AB\_2275072

**Target Antigen:** CAMK2B

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** validation status unknown, seller recommendations provided in 2012:western blot, immunohistochemistry

**Antibody Name:** CaMKII beta antibody

**Description:** This polyclonal targets CAMK2B

**Target Organism:** mouse, human

**Antibody ID:** AB\_2275072

**Vendor:** Abcam

**Catalog Number:** ab34703

**Record Creation Time:** 20250819T230925+0000

**Record Last Update:** 20250820T042746+0000

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### Ratings and Alerts

No rating or validation information has been found for CaMKII beta antibody.

No alerts have been found for CaMKII beta antibody.

## Data and Source Information

**Source:** [Antibody Registry](#)

## Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Cobb-Lewis D, et al. (2024) The lateral habenula integrates age and experience to promote social transitions in developing rats. *Cell reports*, 43(8), 114556.

Chen Y, et al. (2024) A cingulate-hippocampal circuit mediates early depressive-like behavior in the mouse model of Alzheimer disease. *iScience*, 27(5), 109778.

Ameen SS, et al. (2023) N-Terminomic Changes in Neurons During Excitotoxicity Reveal Proteolytic Events Associated With Synaptic Dysfunctions and Potential Targets for Neuroprotection. *Molecular & cellular proteomics : MCP*, 22(5), 100543.

Cui X, et al. (2022) Identification and characterization of long non-coding RNA Carip in modulating spatial learning and memory. *Cell reports*, 38(8), 110398.

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.

Zhang J, et al. (2021) Oxytocin Regulates Synaptic Transmission in the Sensory Cortices in a Developmentally Dynamic Manner. *Frontiers in cellular neuroscience*, 15, 673439.

Raina A, et al. (2020) Neuronal Trans-differentiation by Transcription Factors *Ascl1* and *Nurr1*: Induction of a Dopaminergic Neurotransmitter Phenotype in Cortical GABAergic Neurons. *Molecular neurobiology*, 57(1), 249.

Zou S, et al. (2019) Effects of HIV-1 Tat on oligodendrocyte viability are mediated by CaMKII $\beta$ -GSK3 $\beta$  interactions. *Journal of neurochemistry*, 149(1), 98.

Kool MJ, et al. (2019) CAMK2-Dependent Signaling in Neurons Is Essential for Survival. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(28), 5424.

Li MY, et al. (2017) A Critical Role of Presynaptic Cadherin/Catenin/p140Cap Complexes in Stabilizing Spines and Functional Synapses in the Neocortex. *Neuron*, 94(6), 1155.

Kool MJ, et al. (2016) The molecular, temporal and region-specific requirements of the beta isoform of Calcium/Calmodulin-dependent protein kinase type 2 (CAMK2B) in mouse locomotion. *Scientific reports*, 6, 26989.

Achterberg KG, et al. (2014) Temporal and region-specific requirements of  $\beta$ -CaMKII in spatial and contextual learning. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 34(34), 11180.