

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

C57BL/6-Camk2a^{tm1Vyb}/J

RRID:IMSR_JAX:006575

Type: Organism

Proper Citation

RRID:IMSR_JAX:006575

Organism Information

URL: <https://www.jax.org/strain/006575>

Proper Citation: RRID:IMSR_JAX:006575

Description: Mus musculus with name C57BL/6-Camk2a^{tm1Vyb}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: calcium/calmodulin-dependent protein kinase II alpha;
coisogenic strain|mutant strain: Camk2a

Affected Gene: calcium/calmodulin-dependent protein kinase II alpha

Genomic Alteration: targeted mutation 1; Vadim Y Bolshakov

Catalog Number: JAX:006575

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6-Camk2a^{tm1Vyb}/J

Record Creation Time: 20250513T053657+0000

Record Last Update: 20260905T044441+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Camk2a^{tm1Vyb}/J.

No alerts have been found for C57BL/6-Camk2a^{tm1Vyb}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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

Chang JY, et al. (2017) CaMKII Autophosphorylation Is Necessary for Optimal Integration of Ca²⁺ Signals during LTP Induction, but Not Maintenance. Neuron, 94(4), 800.

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.