Resource Summary Report

Generated by dkNET on Aug 6, 2026

B6(Cg)-Calb2$^{tm1(cre)Zjh}$/J

RRID:IMSR_JAX:010774
Type: Organism

Proper Citation

RRID:IMSR_JAX:010774

Organism Information

URL: https://www.jax.org/strain/010774

Proper Citation: RRID:IMSR_JAX:010774

Description: Mus musculus with name B6(Cg)-Calb2$^{tm1(cre)Zjh}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: calbindin 2|; mutant strain|congenic strain: Calb2|

Affected Gene: calbindin 2|

Genomic Alteration: targeted mutation 1; Z Josh Huang

Catalog Number: JAX:010774

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-Calb2$^{tm1(cre)Zjh}$/J

Record Creation Time: 20250513T053717+0000

Record Last Update: 20260801T050421+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Calb2$^{tm1(cre)Zjh}$/J.

No alerts have been found for B6(Cg)-Calb2$^{tm1(cre)Zjh}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 34 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Jász A, et al. (2025) Persistently increased post-stress activity of paraventricular thalamic neurons is essential for the emergence of stress-induced alterations in behaviour. PLoS biology, 23(1), e3002962.

Millett CJ, et al. (2025) In vivo transcriptomic, functional, circuit-based, and translational analyses of enteric neurons. Cell, 188(26), 7547.

Biró L, et al. (2025) Convergence and Segregation of Excitatory and Inhibitory Afferents in the Paraventricular Thalamic Nucleus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(43).

Wei Y, et al. (2025) Sympathetic functional units encoded by genetically defined postganglionic neurons. Neuron.

Noh MC, et al. (2025) A molecular and spinal circuit basis for the functional segregation of itch and pain. bioRxiv : the preprint server for biology.

Park E, et al. (2025) Somatostatin neurons detect stimulus-reward contingencies to reduce neocortical inhibition during learning. Cell reports, 44(5), 115606.

Dwivedi D, et al. (2024) Metabotropic signaling within somatostatin interneurons controls transient thalamocortical inputs during development. Nature communications, 15(1), 5421.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. Cell reports, 42(2), 112118.

Shima Y, et al. (2023) Distinctiveness and continuity in transcriptome and connectivity in the anterior-posterior axis of the paraventricular nucleus of the thalamus. Cell reports, 42(10), 113309.

Thompson A, et al. (2023) Brain-wide circuit-specific targeting of astrocytes. Cell reports methods, 3(12), 100653.

Qi Y, et al. (2022) Paradoxical effects of posterior intralaminar thalamic calretinin neurons on hippocampal seizure via distinct downstream circuits. iScience, 25(5), 104218.

Somaiya RD, et al. (2022) Sonic hedgehog-dependent recruitment of GABAergic interneurons into the developing visual thalamus. eLife, 11.

Li Z, et al. (2021) Zona incerta subpopulations differentially encode and modulate anxiety. Science advances, 7(37), eabf6709.

Peirs C, et al. (2021) Mechanical Allodynia Circuitry in the Dorsal Horn Is Defined by the Nature of the Injury. Neuron, 109(1), 73.

Su J, et al. (2021) A cell-ECM mechanism for connecting the ipsilateral eye to the brain. Proceedings of the National Academy of Sciences of the United States of America, 118(42).

Gatto G, et al. (2021) A Functional Topographic Map for Spinal Sensorimotor Reflexes. Neuron, 109(1), 91.

Li X, et al. (2021) A circuit of mossy cells controls the efficacy of memory retrieval by Gria2I inhibition of Gria2. Cell reports, 34(7), 108741.

Fredes F, et al. (2021) Ventro-dorsal Hippocampal Pathway Gates Novelty-Induced Contextual Memory Formation. Current biology : CB, 31(1), 25.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. Cell, 184(12), 3222.

Jin H, et al. (2021) Top-Down Control of Sweet and Bitter Taste in the Mammalian Brain. Cell, 184(1), 257.