

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 22, 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: 20260815T050628+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 35 mentions in open access literature.

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

Su XY, et al. (2026) A touch-guided neural circuit regulates motivated gnawing to maintain dental alignment. *Neuron*, 114(11), 2020.

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.

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

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).

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).

Li X, et al. (2021) A circuit of mossy cells controls the efficacy of memory retrieval by Gria2l inhibition of Gria2. *Cell reports*, 34(7), 108741.

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

Fredes F, et al. (2021) Vento-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.