Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 4, 2025

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||calbindin 2|; mutant strain: Calb2||Calb2|

Affected Gene: calbindin 2||calbindin 2|

Genomic Alteration: targeted mutation 1; Z Josh Huang

Catalog Number: JAX:010774

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:10774

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

Record Creation Time: 20230509T193302+0000

Record Last Update: 20240104T174938+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: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

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).

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

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.

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

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

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. Cell, 183(4), 935.

Goff KM, et al. (2019) Vasoactive intestinal peptide-expressing interneurons are impaired in a mouse model of Dravet syndrome. eLife, 8.

Smith KM, et al. (2019) Calretinin positive neurons form an excitatory amplifier network in the spinal cord dorsal horn. eLife, 8.

Petitjean H, et al. (2019) Recruitment of Spinoparabrachial Neurons by Dorsal Horn Calretinin Neurons. Cell reports, 28(6), 1429.

Camillo D, et al. (2018) Visual Processing by Calretinin Expressing Inhibitory Neurons in Mouse Primary Visual Cortex. Scientific reports, 8(1), 12355.

Sabbagh U, et al. (2018) Distribution and development of molecularly distinct perineuronal nets in visual thalamus. Journal of neurochemistry, 147(5), 626.