Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 1, 2024

B6.Cg-Pvalb$^{tm1.1(cre)Aibs}$/J

RRID:IMSR_JAX:012358
Type: Organism

Proper Citation

RRID:IMSR_JAX:012358

Organism Information

URL: https://www.jax.org/strain/012358

Proper Citation: RRID:IMSR_JAX:012358

Description: Mus musculus with name B6.Cg-Pvalb$^{tm1.1(cre)Aibs}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |parvalbumin||parvalbumin; mutant strain: |Pvalb||Pvalb

Affected Gene: |parvalbumin||parvalbumin

Genomic Alteration: targeted mutation 1.1; Allen Institute for Brain Science

Catalog Number: JAX:012358

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Organism Name: B6.Cg-Pvalb$^{tm1.1(cre)Aibs}$/J

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Pvalb$^{tm1.1(cre)Aibs}$/J.

No alerts have been found for B6.Cg-Pvalb$^{tm1.1(cre)Aibs}$/J.

Data and Source Information

Source: [Integrated Animals]

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Hazlett MF, et al. (2024) The Perineuronal Net Protein Brevican Acts in Nucleus Accumbens Parvalbumin-expressing Interneurons of Adult Mice to Regulate Excitatory Synaptic Inputs and Motivated Behaviors. Biological psychiatry.

Callahan JW, et al. (2023) Movement-related increases in subthalamic activity optimize locomotion. bioRxiv : the preprint server for biology.

Zhou H, et al. (2023) A sleep-active basalocortical pathway crucial for generation and maintenance of chronic pain. Nature neuroscience, 26(3), 458.

Lawler AJ, et al. (2022) Machine learning sequence prioritization for cell type-specific enhancer design. eLife, 11.

Vollmer KM, et al. (2022) An opioid-gated thalamoaccumbal circuit for the suppression of reward seeking in mice. Nature communications, 13(1), 6865.

Callahan JW, et al. (2022) Dysregulation of the Basal Ganglia Indirect Pathway in Early Symptomatic Q175 Huntington's Disease Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(10), 2080.

Gallegos DA, et al. (2022) Cell-type specific transcriptional adaptations of nucleus accumbens interneurons to amphetamine. Molecular psychiatry.

Baimel C, et al. (2022) Hippocampal-evoked inhibition of cholinergic interneurons in the nucleus accumbens. Cell reports, 40(1), 111042.

Kishi KE, et al. (2022) Structural basis for channel conduction in the pump-like channelrhodopsin ChRmine. Cell, 185(4), 672.

Chirila AM, et al. (2022) Mechanoreceptor signal convergence and transformation in the dorsal horn flexibly shape a diversity of outputs to the brain. Cell, 185(24), 4541.

He XJ, et al. (2021) Convergent, functionally independent signaling by mu and delta opioid receptors in hippocampal parvalbumin interneurons. eLife, 10.

Jiang C, et al. (2021) Morphine coordinates SST and PV interneurons in the prelimbic cortex to disinhibit pyramidal neurons and enhance reward. Molecular psychiatry, 26(4), 1178.

Kovaleski RF, et al. (2020) Dysregulation of external globus pallidus-subthalamic nucleus network dynamics in parkinsonian mice during cortical slow-wave activity and activation. The Journal of physiology, 598(10), 1897.

Holly EN, et al. (2019) Striatal Low-Threshold Spiking Interneurons Regulate Goal-Directed Learning. Neuron, 103(1), 92.

Messier JE, et al. (2018) Targeting light-gated chloride channels to neuronal somatodendritic domain reduces their excitatory effect in the axon. eLife, 7.

O'Hare JK, et al. (2017) Striatal fast-spiking interneurons selectively modulate circuit output and are required for habitual behavior. eLife, 6.

Losi G, et al. (2016) A brain slice experimental model to study the generation and the propagation of focally-induced epileptiform activity. Journal of neuroscience methods, 260, 125.

Zhang W, et al. (2016) Hyperactive somatostatin interneurons contribute to excitotoxicity in neurodegenerative disorders. Nature neuroscience, 19(4), 557.