Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

B6.Cg-Pvalb$^{tm4.1(flpo)Hze}$/J

RRID:IMSR_JAX:022730
Type: Organism

Proper Citation

RRID:IMSR_JAX:022730

Organism Information

URL: https://www.jax.org/strain/022730

Proper Citation: RRID:IMSR_JAX:022730

Description: Mus musculus with name B6.Cg-Pvalb$^{tm4.1(flpo)Hze}$/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Pvalb/J

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

Affected Gene: parvalbumin||parvalbumin|

Genomic Alteration: targeted mutation 4.1; Hongkui Zeng

Catalog Number: JAX:022730

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:22730

Organism Name: B6.Cg-Pvalb$^{tm4.1(flpo)Hze}$/J

Record Creation Time: 20230509T193317+0000

Record Last Update: 20240104T175052+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Pvalb$^{tm4.1(flpo)Hze}$/J.

No alerts have been found for B6.Cg-Pvalb$^{tm4.1(flpo)Hze}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Huang LW, et al. (2024) Synaptic interactions between stellate cells and parvalbumin interneurons in layer 2 of the medial entorhinal cortex are organized at the scale of grid cell clusters. eLife, 12.

Seignette K, et al. (2024) Experience shapes chandelier cell function and structure in the visual cortex. eLife, 12.

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. Neuron.

Huang S, et al. (2024) Neurogliaform Cells Exhibit Laminar-specific Responses in the Visual Cortex and Modulate Behavioral State-dependent Cortical Activity. bioRxiv : the preprint server for biology.

Huang S, et al. (2024) Neurogliaform Cells Exhibit Laminar-specific Responses in the Visual Cortex and Modulate Behavioral State-dependent Cortical Activity. Research square.

Trinh AT, et al. (2023) Adaptive spike threshold dynamics associated with sparse spiking of hilar mossy cells are captured by a simple model. The Journal of physiology, 601(19), 4397.

Rupert DD, et al. (2023) Selective Deletion of Methyl CpG Binding Protein 2 from Parvalbumin Interneurons in the Auditory Cortex Delays the Onset of Maternal Retrieval in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(40), 6745.

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

Tsoi SY, et al. (2022) Telencephalic outputs from the medial entorhinal cortex are copied

directly to the hippocampus. eLife, 11.

Wu YT, et al. (2022) Quantitative relationship between cerebrovascular network and neuronal cell types in mice. Cell reports, 39(12), 110978.

Cao B, et al. (2022) Spinal cord retinoic acid receptor signaling gates mechanical hypersensitivity in neuropathic pain. Neuron, 110(24), 4108.

Cui Q, et al. (2021) Dissociable Roles of Pallidal Neuron Subtypes in Regulating Motor Patterns. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(18), 4036.

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

Lehnert BP, et al. (2021) Mechanoreceptor synapses in the brainstem shape the central representation of touch. Cell, 184(22), 5608.

Asrican B, et al. (2020) Neuropeptides Modulate Local Astrocytes to Regulate Adult Hippocampal Neural Stem Cells. Neuron, 108(2), 349.

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

Abecassis ZA, et al. (2020) Npas1+-Nkx2.1+ Neurons Are an Integral Part of the Cortico-pallido-cortical Loop. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(4), 743.

Hafner G, et al. (2019) Mapping Brain-Wide Afferent Inputs of Parvalbumin-Expressing GABAergic Neurons in Barrel Cortex Reveals Local and Long-Range Circuit Motifs. Cell reports, 28(13), 3450.

Zhang Q, et al. (2019) Multiplexed peroxidase-based electron microscopy labeling enables simultaneous visualization of multiple cell types. Nature neuroscience, 22(5), 828.

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