

Resource Summary Report

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C57BL/6-Tg(Pvalb-tdTomato)15Gfng/J

RRID:IMSR_JAX:027395

Type: Organism

Proper Citation

RRID:IMSR_JAX:027395

Organism Information

URL: <https://www.jax.org/strain/027395>

Proper Citation: RRID:IMSR_JAX:027395

Description: Mus musculus with name C57BL/6-Tg(Pvalb-tdTomato)15Gfng/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: parvalbumin||transgene insertion 15; Guoping Feng; coisogenic strain|mutant strain: Pvalb||Tg(Pvalb-tdTomato)15Gfng

Affected Gene: parvalbumin||transgene insertion 15; Guoping Feng

Genomic Alteration: transgene insertion 15; Guoping Feng

Catalog Number: JAX:027395

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Pvalb-tdTomato)15Gfng/J

Record Creation Time: 20250513T053800+0000

Record Last Update: 20260725T044506+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Pvalb-tdTomato)15Gfng/J.

No alerts have been found for C57BL/6-Tg(Pvalb-tdTomato)15Gfng/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Hanson MA, et al. (2025) Development of Differential Sublaminar Feedforward Inhibitory Circuits in CA1 Hippocampus Requires Satb2. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(8).

Caccavano AP, et al. (2025) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. Neuron, 113(11), 1805.

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

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

Caccavano AP, et al. (2024) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. bioRxiv : the preprint server for biology.

Chuhma N, et al. (2024) Regional heterogeneity in the membrane properties of mouse striatal neurons. Frontiers in cellular neuroscience, 18, 1412897.

Assali A, et al. (2024) EphB1 controls long-range cortical axon guidance through a cell non-autonomous role in GABAergic cells. Development (Cambridge, England), 151(5).

Kondabolu K, et al. (2023) A Selective Projection from the Subthalamic Nucleus to Parvalbumin-Expressing Interneurons of the Striatum. eNeuro, 10(7).

Chuhma N, et al. (2023) The dopamine neuron synaptic map in the striatum. Cell reports, 42(3), 112204.

Rodrigues D, et al. (2022) Chronic stress causes striatal disinhibition mediated by SOM-interneurons in male mice. Nature communications, 13(1), 7355.

Mackenzie-Gray Scott CA, et al. (2022) Resilient Hippocampal Gamma Rhythmogenesis and Parvalbumin-Expressing Interneuron Function Before and After Plaque Burden in 5xFAD Alzheimer's Disease Model. *Frontiers in synaptic neuroscience*, 14, 857608.

Bueno-Fernandez C, et al. (2021) Long term effects of peripubertal stress on excitatory and inhibitory circuits in the prefrontal cortex of male and female mice. *Neurobiology of stress*, 14, 100322.

Bakken TE, et al. (2021) Comparative cellular analysis of motor cortex in human, marmoset and mouse. *Nature*, 598(7879), 111.

Kalmbach BE, et al. (2021) Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. *Neuron*, 109(18), 2914.

Paterno R, et al. (2021) Hippocampal gamma and sharp-wave ripple oscillations are altered in a *Cntnap2* mouse model of autism spectrum disorder. *Cell reports*, 37(6), 109970.

Bell KA, et al. (2021) The Entorhinal Cortical Alvear Pathway Differentially Excites Pyramidal Cells and Interneuron Subtypes in Hippocampal CA1. *Cerebral cortex (New York, N.Y. : 1991)*, 31(5), 2382.

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.

Enterr??a-Morales D, et al. (2020) Molecular targets for endogenous glial cell line-derived neurotrophic factor modulation in striatal parvalbumin interneurons. *Brain communications*, 2(2), fcaa105.

Bengtsson Gonzales C, et al. (2020) Intrinsic electrophysiological properties predict variability in morphology and connectivity among striatal Parvalbumin-expressing Pthlh-cells. *Scientific reports*, 10(1), 15680.

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.