

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

B6;129P2-Pvalb^{tm1}(cre)Arbr/J

RRID:IMSR_JAX:008069

Type: Organism

Proper Citation

RRID:IMSR_JAX:008069

Organism Information

URL: <https://www.jax.org/strain/008069>

Proper Citation: RRID:IMSR_JAX:008069

Description: Mus musculus with name B6;129P2-Pvalb^{tm1}(cre)Arbr/J from IMSR.

Species: Mus musculus

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

Affected Gene: parvalbumin|

Genomic Alteration: targeted mutation 1; Silvia Arber

Catalog Number: JAX:008069

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129P2-Pvalb^{tm1}(cre)Arbr/J

Record Creation Time: 20250513T053705+0000

Record Last Update: 20260801T050413+0000

Ratings and Alerts

No rating or validation information has been found for B6;129P2-Pvalb^{tm1}(cre)Arbr/J.

No alerts have been found for B6;129P2-Pvalb^{tm1}(cre)Arbr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 360 mentions in open access literature.

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

Li FR, et al. (2026) Influence of the estrous cycle on seizure activity in a model of mesial temporal lobe epilepsy. *Experimental neurology*, 397, 115597.

De Risi M, et al. (2025) Cortico-striatal circuit mechanisms drive the effects of D1 dopamine agonists on memory capacity in mice through cAMP/PKA signalling. *Nature communications*, 16(1), 2615.

Choi I, et al. (2025) Locomotion-dependent auditory gating to the parietal cortex guides multisensory decisions. *Nature communications*, 16(1), 2308.

Taxidis J, et al. (2025) Voltage imaging reveals hippocampal inhibitory dynamics shaping pyramidal memory-encoding sequences. *Nature neuroscience*, 28(9), 1946.

Dunn AWE, et al. (2025) Mecp2 deficiency impairs microscale cortical network topology and dynamics in a Rett syndrome mouse model. *bioRxiv : the preprint server for biology*.

Okabe N, et al. (2025) Parvalbumin interneurons regulate rehabilitation-induced functional recovery after stroke and identify a rehabilitation drug. *Nature communications*, 16(1), 2556.

Chai R, et al. (2025) Endocannabinoids disinhibit the ventral tegmental nucleus of Gudden to dorsal premammillary nucleus pathway to enhance escape behavior following learned threat experience. *Nature communications*, 16(1), 4885.

Vantomme G, et al. (2025) The reuniens thalamus recruits recurrent excitation in the medial prefrontal cortex. *Proceedings of the National Academy of Sciences of the United States of America*, 122(11), e2500321122.

Nelson AC, et al. (2025) Molecular and neural control of social hierarchy by a forebrain-thalamocortical circuit. *Cell*.

Ma MF, et al. (2025) Whole Brain Monosynaptic Input of Distinct Neurons in the Globus Pallidus Externa. *CNS neuroscience & therapeutics*, 31(6), e70459.

Brandalise F, et al. (2025) Thalamocortical feedback selectively controls pyramidal neuron excitability. *Nature communications*, 16(1), 5663.

Lin JK, et al. (2025) Transcriptomic and spatial organization of mouse spinal cord projection neurons. *Cell reports*, 45(1), 116717.

Zheng D, et al. (2025) Neural mechanism of the sexually dimorphic winner effect in mice. *Neuron*, 113(24), 4217.

An D, et al. (2025) Deficiency of histamine H2 receptors in parvalbumin-positive neurons leads to hyperactivity, impulsivity, and impaired attention. *Neuron*, 113(4), 572.

Haziza S, et al. (2025) Imaging high-frequency voltage dynamics in multiple neuron classes of behaving mammals. *Cell*, 188(16), 4401.

Lopes-Dos-Santos V, et al. (2025) Spatio-temporal organization of network activity patterns in the hippocampus. *Cell reports*, 44(6), 115808.

Morabito A, et al. (2025) Distinct dendritic integration strategies control dynamics of inhibition in the neocortex. *Neuron*.

Kwan WC, et al. (2025) Hybrid optogenetic and electrical stimulation of retinal ganglion cells for artificial vision. *Brain stimulation*, 19(1), 103012.

Nareddula S, et al. (2025) FMRP restoration in parvalbumin interneurons: A circuit-specific improvement of visual learning in fragile X syndrome. *iScience*, 28(12), 114132.

Yue L, et al. (2025) Neuronal mechanisms of nociceptive-evoked gamma-band oscillations in rodents. *Neuron*, 113(5), 769.