

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

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

RRID:IMSR_JAX:017320

Type: Organism

Proper Citation

RRID:IMSR_JAX:017320

Organism Information

URL: <https://www.jax.org/strain/017320>

Proper Citation: RRID:IMSR_JAX:017320

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

Species: Mus musculus

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

Affected Gene: |parvalbumin

Genomic Alteration: targeted mutation 1; Silvia Arber

Catalog Number: JAX:017320

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053731+0000

Record Last Update: 20260801T050437+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 196 mentions in open access literature.

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

Alexander RPD, et al. (2025) Delta opioid receptors engage multiple signaling cascades to differentially modulate prefrontal GABA release with input and target specificity. *Cell reports*, 44(2), 115293.

Gu BM, et al. (2025) Substantia nigra modulates breathing rate via locus coeruleus. *iScience*, 28(5), 112423.

Báldi R, et al. (2025) Synaptic organization and associative learning-related activity of basolateral amygdala interneurons. *Cell reports*, 44(10), 116295.

Druart M, et al. (2025) Cell-type-specific auditory responses in the striatum are shaped by feedforward inhibition. *Cell reports*, 44(1), 115090.

Del Rosario J, et al. (2025) Lateral inhibition in V1 controls neural and perceptual contrast sensitivity. *Nature neuroscience*, 28(4), 836.

Ikefuama EC, et al. (2025) Presymptomatic targeted circuit manipulation for ameliorating Huntington's disease pathogenesis. *iScience*, 28(3), 112022.

Naon C, et al. (2025) Translatome of dorsal striatum parvalbumin interneurons revisited: insights across diverse experimental paradigms. *Frontiers in cellular neuroscience*, 19, 1648461.

Hill SF, et al. (2025) Interneurons exhibit attenuated ectopic action potential firing in a severe neurodevelopmental disorder. *Journal of neurophysiology*, 133(6), 1692.

Apte A, et al. (2025) Bidirectional modulation of somatostatin-expressing interneurons in the basolateral amygdala reduces neuropathic pain perception in mice. *Frontiers in pain research (Lausanne, Switzerland)*, 6, 1602036.

Landry T, et al. (2025) Targeting glucose-inhibited hippocampal CCK interneurons prevents cognitive impairment in diet-induced obesity. *Neuron*.

Cleary CM, et al. (2025) Parvalbumin-expressing neurons in the ventral medulla are active during wakefulness and promote NREM sleep. *Sleep*, 48(8).

Petroccione MA, et al. (2025) An unsuspected physiological role for mGluRIII glutamate receptors in hippocampal area CA1. *bioRxiv : the preprint server for biology*.

Goldbach HC, et al. (2025) Cholinergic-dependent dopamine signals in mouse dorsal striatum are regulated by frontal but not sensory cortices. *bioRxiv : the preprint server for biology*.

van Adrichem JJ, et al. (2025) Progressive remote memory decline coincides with parvalbumin interneuron hyperexcitability and enhanced inhibition of cortical engram cells in a mouse model of Alzheimer's disease. *eLife*, 14.

Noh MC, et al. (2025) A molecular and spinal circuit basis for the functional segregation of itch and pain. *bioRxiv : the preprint server for biology*.

Feola K, et al. (2025) Measuring renal cortical cell-specific mitochondrial metabolism. *bioRxiv : the preprint server for biology*.

Yevo PE, et al. (2025) Modulation of sweet preference by neurosteroid-sensitive, γ -GABAA receptors in adult mouse gustatory insular cortex. *Current biology : CB*, 35(5), 1047.

Moffa JC, et al. (2025) An Alternative Gene Editing Strategy Using a Single AAV Vector. *Bio-protocol*, 15(13), e5362.

Zhu L, et al. (2025) Medial septum parvalbumin-expressing inhibitory neurons are impaired in a mouse model of Dravet syndrome. *Epilepsia*, 66(10), 4053.

Zhong S, et al. (2025) Ultrabright chemical labeling enables rapid neural connectivity profiling in large tissue samples. *Neuron*.