

Resource Summary Report

Generated by [kravitz2](#) on Aug 11, 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: 20260808T050936+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 225 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

An X, et al. (2026) A cortical circuit for orchestrating oromaneal food manipulation. Neuron, 114(12), 2254.

Dos Santos M, et al. (2026) Soluble β -1, altered in disease CSF, modulates network homeostasis and rescues deficits in a neuropsychiatric mouse model. Neuron, 114(12), 2128.

Yang Q, et al. (2026) All-optical electrophysiology reveals behavior-dependent dynamics of excitation and inhibition in the hippocampus. Neuron, 114(9), 1635.

Su XY, et al. (2026) A touch-guided neural circuit regulates motivated gnawing to maintain dental alignment. Neuron, 114(11), 2020.

Bender PTR, et al. (2026) Context-dependent effects of SOM neurons to enhance the responses of corticocollicular neurons to repetitive sounds. iScience, 29(5), 115536.

Heimbach SN, et al. (2026) Temporal cortex astrocytic Gi-PCR signaling regulates learned threat responses. bioRxiv : the preprint server for biology.

Huang S, et al. (2026) Functional heterogeneity of medial septal GABAergic neurons in theta rhythm modulation and septo-hippocampal communication. Brain research bulletin, 237, 111827.

Li SJ, et al. (2026) A disinhibitory basal forebrain-to-cortex projection supports sustained attention. Cell, 189(13), 4140.

Rolón-Martínez S, et al. (2026) Thalamic reticular neurons provide cell type-specific modulation of sound processing in the auditory thalamus. PLoS biology, 24(3), e3003693.

Hainmueller T, et al. (2026) Dentate gyrus interneurons modulate winner-take-all network dynamics in freely behaving mice. Neuron.

Davis MN, et al. (2026) Parvalbumin Neuron-Targeted Loss of Alzheimer's Disease Risk Gene BIN1 Is Insufficient to Drive Cognitive or Network Excitability Changes. eNeuro, 13(3).

Lascorz R, et al. (2026) Age-dependent axonal dysfunctions and altered sharp-wave ripple oscillations in Scn1a +/- mice. iScience, 29(8), 116784.

Lee D, et al. (2026) Juvenile-to-adult refinement of thalamic reticular circuits via LRRTM3 enables high-resolution sensory encoding. *Neuron*, 114(7), 1219.

Feola K, et al. (2026) Dynamic and differential renal cortical cell-specific mitochondrial metabolism in response to fasting. *American journal of physiology. Renal physiology*, 330(2), F210.

Bhatla N, et al. (2026) Acute requirement for the hippocampus in putatively conscious vision revealed by a mouse model of blindsight. *Current biology : CB*, 36(8), 2043.

Petroccione MA, et al. (2026) An unsuspected physiological role for mGluRIII glutamate receptors in hippocampal area CA1. *Cell reports*, 45(6), 117388.

Katsuki F, et al. (2026) Early Loss of Deep Restorative Sleep and Auditory Stimulus Evoked 40-Hz activity of Hippocampal Parvalbumin Neurons in the APP/PS1 Mouse Model of Alzheimer's Disease. *bioRxiv : the preprint server for biology*.

Oláh VJ, et al. (2026) Bidirectional control of vesicular GABA release, LTP, and amotivation by GluN2D-selective allosteric modulators and ketamine. *Cell reports*, 45(8), 117707.

Ren J, et al. (2026) Thyroid hormones maintain parvalbumin neuron functions in the mouse neocortex. *iScience*, 29(6), 115970.

Phensy AJ, et al. (2026) Prefrontal gamma oscillations engage dynamic cell-type-specific configurations to support flexible behavior. *Neuron*.