

Resource Summary Report

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

B6.129-Tg(Pcp2-cre)2Mpin/J

RRID:IMSR_JAX:004146

Type: Organism

Proper Citation

RRID:IMSR_JAX:004146

Organism Information

URL: <https://www.jax.org/strain/004146>

Proper Citation: RRID:IMSR_JAX:004146

Description: Mus musculus with name B6.129-Tg(Pcp2-cre)2Mpin/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Tg(Pcp2-Cre)2Mpin

Notes: gene symbol note: transgene insertion 2; Max-Planck-Institute of Neurobiology|Purkinje cell protein 2 (L7)|; mutant strain|congenic strain: Tg(Pcp2-cre)2Mpin|Pcp2|

Affected Gene: transgene insertion 2; Max-Planck-Institute of Neurobiology|Purkinje cell protein 2 (L7)|

Genomic Alteration: transgene insertion 2; Max-Planck-Institute of Neurobiology

Catalog Number: JAX:004146

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129-Tg(Pcp2-cre)2Mpin/J

Record Creation Time: 20250513T053643+0000

Record Last Update: 20260829T044933+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Tg(Pcp2-cre)2Mpin/J.

No alerts have been found for B6.129-Tg(Pcp2-cre)2Mpin/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 90 mentions in open access literature.

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

Lorenz SM, et al. (2026) A fin-loop-like structure in GPX4 underlies neuroprotection from ferroptosis. *Cell*, 189(1), 287.

Akther S, et al. (2026) Distribution and functional significance of rodent cerebellar glycogen. *iScience*, 29(4), 115192.

Filio BA, et al. (2026) Cerebellar circuits anticipate dopamine rewards. *bioRxiv : the preprint server for biology*.

Kamijo S, et al. (2026) AAV-Based Bright and Sparse Labeling of Versatile Neurons Adaptable in Cre-Dependent Genetic Backgrounds. *eNeuro*, 13(3).

Oostland M, et al. (2026) Cerebellar acceleration of learning in an evidence-accumulation task. *Cell reports*, 45(4), 117262.

Holla MR, et al. (2026) Effects of Short-Term Synaptic Plasticity in Feedforward Inhibitory Circuits on Cerebellar Responses to Repetitive Sensory Input. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(3).

Yang K, et al. (2025) Autonomous STING signaling in Purkinje cells drives neurodegeneration independent of type I interferon. *Cell reports*, 44(11), 116480.

Seo J, et al. (2025) Temporal dynamics of Purkinje cell-intrinsic excitability governs cerebellar systems consolidation. *iScience*, 28(11), 113760.

Bartelt LC, et al. (2024) Antibody-assisted selective isolation of Purkinje cell nuclei from mouse cerebellar tissue. *Cell reports methods*, 4(7), 100816.

Zaman T, et al. (2024) Kit Ligand and Kit receptor tyrosine kinase sustain synaptic inhibition of Purkinje cells. *eLife*, 12.

Cealie MY, et al. (2024) Developmental Ethanol Exposure Impacts Purkinje Cells but Not Microglia in the Young Adult Cerebellum. *Cells*, 13(5).

Brown ST, et al. (2024) Simple spike patterns and synaptic mechanisms encoding sensory and motor signals in Purkinje cells and the cerebellar nuclei. *Neuron*.

Silva NT, et al. (2024) Climbing fibers provide essential instructive signals for associative learning. *Nature neuroscience*, 27(5), 940.

Garcia-Garcia MG, et al. (2024) A cerebellar granule cell-climbing fiber computation to learn to track long time intervals. *Neuron*, 112(16), 2749.

Takegawa W, et al. (2024) Kainate receptors regulate synaptic integrity and plasticity by forming a complex with synaptic organizers in the cerebellum. *Cell reports*, 43(7), 114427.

Jahncke JN, et al. (2024) Tools for Cre-Mediated Conditional Deletion of Floxed Alleles from Developing Cerebellar Purkinje Cells. *eNeuro*, 11(6).

Li C, et al. (2023) Purkinje cell dopaminergic inputs to astrocytes regulate cerebellar-dependent behavior. *Nature communications*, 14(1), 1613.

Li SJ, et al. (2023) Meshed neuronal mitochondrial networks empowered by AI-powered classifiers and immersive VR reconstruction. *Frontiers in neuroscience*, 17, 1059965.

Kim S, et al. (2023) Disruptive lysosomal-metabolic signaling and neurodevelopmental deficits that precede Purkinje cell loss in a mouse model of Niemann-Pick Type-C disease. *Scientific reports*, 13(1), 5665.

Surdin T, et al. (2023) Optogenetic activation of mGluR1 signaling in the cerebellum induces synaptic plasticity. *iScience*, 26(1), 105828.