Resource Summary Report

Generated by NIF on Sep 14, 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: 20260912T060427+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.

Kakegawa 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.