

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129-Olig2^{tm1.1}(cre)Wdr/J

RRID:IMSR_JAX:025567

Type: Organism

Proper Citation

RRID:IMSR_JAX:025567

Organism Information

URL: <https://www.jax.org/strain/025567>

Proper Citation: RRID:IMSR_JAX:025567

Description: Mus musculus with name B6.129-Olig2^{tm1.1}(cre)Wdr/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: oligodendrocyte transcription factor 2|; mutant strain|congenic strain: Olig2|

Affected Gene: oligodendrocyte transcription factor 2|

Genomic Alteration: targeted mutation 1.1; William D Richardson

Catalog Number: JAX:025567

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129-Olig2^{tm1.1}(cre)Wdr/J

Record Creation Time: 20250513T053754+0000

Record Last Update: 20260725T044500+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Olig2^{tm1.1}(cre)Wdr/J.

No alerts have been found for B6.129-Olig2^{tm1.1}(cre)Wdr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Shi Y, et al. (2025) Oncogenic fusions converge on shared mechanisms in initiating astroblastoma. *Nature*, 643(8071), 551.

Zhang Y, et al. (2025) Neurons sequester the cholesterol-inhibiting TFEB in oligodendrocyte cytoplasm to safeguard myelination and neural function. *Cell reports*, 44(9), 116252.

McKinsey GL, et al. (2025) Radial glia integrin avb8 regulates cell autonomous microglial TGF β 1 signaling that is necessary for microglial identity. *Nature communications*, 16(1), 2840.

Elbaz B, et al. (2024) The bone transcription factor Osterix controls extracellular matrix- and node of Ranvier-related gene expression in oligodendrocytes. *Neuron*, 112(2), 247.

Zhu M, et al. (2024) Dispensable regulation of brain development and myelination by Serpina3n. *bioRxiv : the preprint server for biology*.

Ishii A, et al. (2024) Contribution of amyloid deposition from oligodendrocytes in a mouse model of Alzheimer's disease. *Molecular neurodegeneration*, 19(1), 83.

Zhang T, et al. (2023) Autophagy collaborates with apoptosis pathways to control oligodendrocyte number. *Cell reports*, 42(8), 112943.

McKinsey GL, et al. (2023) Radial glia promote microglial development through integrin α V β 8 -TGF β 1 signaling. *bioRxiv : the preprint server for biology*.

Sefton EM, et al. (2022) Fibroblast-derived Hgf controls recruitment and expansion of muscle during morphogenesis of the mammalian diaphragm. *eLife*, 11.

Ronzano R, et al. (2022) Spinal premotor interneurons controlling antagonistic muscles are spatially intermingled. *eLife*, 11.

Wang Y, et al. (2021) PARP1-mediated PARylation activity is essential for oligodendroglial differentiation and CNS myelination. *Cell reports*, 37(1), 109695.

Fortin J, et al. (2020) Mutant ACVR1 Arrests Glial Cell Differentiation to Drive Tumorigenesis in Pediatric Gliomas. *Cancer cell*, 37(3), 308.

Calabretta S, et al. (2018) Loss of PRMT5 Promotes PDGFR β Degradation during Oligodendrocyte Differentiation and Myelination. *Developmental cell*, 46(4), 426.