

Resource Summary Report

Generated by [kravitz2](#) on Sep 20, 2026

B6.129(Cg)-Axin2^{tm1}(cre/ERT2)Rnu/J

RRID:IMSR_JAX:018867

Type: Organism

Proper Citation

RRID:IMSR_JAX:018867

Organism Information

URL: <https://www.jax.org/strain/018867>

Proper Citation: RRID:IMSR_JAX:018867

Description: Mus musculus with name B6.129(Cg)-Axin2^{tm1}(cre/ERT2)Rnu/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Axin2/J

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|axin 2; mutant strain|congenic strain: cre/ERT2|Axin2

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|axin 2

Genomic Alteration: targeted mutation 1; Roel Nusse

Catalog Number: JAX:018867

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129(Cg)-Axin2^{tm1}(cre/ERT2)Rnu/J

Record Creation Time: 20250513T053739+0000

Record Last Update: 20260919T054926+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Axin2^{tm1(cre/ERT2)}Rnu/J.

No alerts have been found for B6.129(Cg)-Axin2^{tm1(cre/ERT2)}Rnu/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Sharifi KA, et al. (2024) Exploring the dynamics of adult Axin2 cell lineage integration into dentate gyrus granule neurons. *Frontiers in neuroscience*, 18, 1353142.

Lee S, et al. (2021) Notch-Wnt signal crosstalk regulates proliferation and differentiation of osteoprogenitor cells during intramembranous bone healing. *NPJ Regenerative medicine*, 6(1), 29.

Jing J, et al. (2021) Reciprocal interaction between mesenchymal stem cells and transit amplifying cells regulates tissue homeostasis. *eLife*, 10.

Russell JP, et al. (2021) Pituitary stem cells produce paracrine WNT signals to control the expansion of their descendant progenitor cells. *eLife*, 10.

Hu H, et al. (2018) Long-Term Expansion of Functional Mouse and Human Hepatocytes as 3D Organoids. *Cell*, 175(6), 1591.

Yu Z, et al. (2018) Hoxc-Dependent Mesenchymal Niche Heterogeneity Drives Regional Hair Follicle Regeneration. *Cell stem cell*, 23(4), 487.

Ichijo R, et al. (2017) Tbx3-dependent amplifying stem cell progeny drives interfollicular epidermal expansion during pregnancy and regeneration. *Nature communications*, 8(1), 508.