Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

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

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

Genomic Alteration: targeted mutation 1; Roel Nusse

Catalog Number: JAX:018867

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:18867

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

Record Creation Time: 20230509T193314+0000

Record Last Update: 20240104T175031+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: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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

Sun XL, et al. (2023) Stem cell competition driven by the Axin2-p53 axis controls brain size during murine development. Developmental cell, 58(9), 744.

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.

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

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

Grabek A, et al. (2019) The Adult Adrenal Cortex Undergoes Rapid Tissue Renewal in a Sex-Specific Manner. Cell stem cell, 25(2), 290.

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.