Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 24, 2025

B6.129-Ank3$^{tm2.1Bnt}$/J

RRID:IMSR_JAX:029797
Type: Organism

Proper Citation

RRID:IMSR_JAX:029797

Organism Information

URL: https://www.jax.org/strain/029797

Proper Citation: RRID:IMSR_JAX:029797

Description: Mus musculus with name B6.129-Ank3$^{tm2.1Bnt}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: ankyrin 3; epithelial; mutant strain|congenic strain: Ank3

Affected Gene: ankyrin 3; epithelial

Genomic Alteration: targeted mutation 2.1; Vann Bennett

Catalog Number: JAX:029797

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Ank3$^{tm2.1Bnt}$/J

Record Creation Time: 20250513T053811+0000

Record Last Update: 20250524T090831+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Ank3$^{tm2.1Bnt}$/J.

No alerts have been found for B6.129-Ank3$^{tm2.1Bnt}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Escobedo G, et al. (2024) An evolutionarily conserved AnkyrinG-dependent motif clusters axonal K2P K+ channels. The Journal of cell biology, 223(10).

Ding X, et al. (2024) Age-dependent regulation of axoglial interactions and behavior by oligodendrocyte AnkyrinG. Nature communications, 15(1), 10865.

Ding X, et al. (2024) Age-dependent regulation of axoglial interactions and behavior by oligodendrocyte AnkyrinG. bioRxiv : the preprint server for biology.

Teliska LH, et al. (2022) Axon Initial Segments Are Required for Efficient Motor Neuron Axon Regeneration and Functional Recovery of Synapses. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(43), 8054.

Stevens SR, et al. (2021) Ankyrin-R regulates fast-spiking interneuron excitability through perineuronal nets and Kv3.1b K+ channels. eLife, 10.

Zhang C, et al. (2021) Ankyrin-dependent Na+ channel clustering prevents neuromuscular synapse fatigue. Current biology : CB, 31(17), 3810.