

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

B6.129P2-Lcn2^{tm1Aade}/AkiJ

RRID:IMSR_JAX:024630

Type: Organism

Proper Citation

RRID:IMSR_JAX:024630

Organism Information

URL: <https://www.jax.org/strain/024630>

Proper Citation: RRID:IMSR_JAX:024630

Description: Mus musculus with name B6.129P2-Lcn2^{tm1Aade}/AkiJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: lipocalin 2; mutant strain|congenic strain: Lcn2

Affected Gene: lipocalin 2

Genomic Alteration: targeted mutation 1; Alan Aderem

Catalog Number: JAX:024630

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Lcn2^{tm1Aade}/AkiJ

Record Creation Time: 20250513T053751+0000

Record Last Update: 20260808T050953+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Lcn2^{tm1Aade}/AkiJ.

No alerts have been found for B6.129P2-Lcn2^{tm1Aade}/AkiJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Wang SZ, et al. (2026) Lipocalin 2 orchestrates resistance to ferroptosis via AXL. Cell reports, 45(3), 116965.

Huang Z, et al. (2025) Lipocalin-2 regulates astrocyte-oligodendrocyte interaction to drive post-stroke secondary demyelination. Cell reports, 44(7), 115899.

Li J, et al. (2023) Lipocalin-2-mediated astrocyte pyroptosis promotes neuroinflammatory injury via NLRP3 inflammasome activation in cerebral ischemia/reperfusion injury. Journal of neuroinflammation, 20(1), 148.

Hu X, et al. (2023) A TRPV4-dependent neuroimmune axis in the spinal cord promotes neuropathic pain. The Journal of clinical investigation, 133(5).

Adler O, et al. (2023) Reciprocal interactions between innate immune cells and astrocytes facilitate neuroinflammation and brain metastasis via lipocalin-2. Nature cancer, 4(3), 401.

Wan T, et al. (2022) Astrocytic phagocytosis contributes to demyelination after focal cortical ischemia in mice. Nature communications, 13(1), 1134.

Grune J, et al. (2022) Neutrophils incite and macrophages avert electrical storm after myocardial infarction. Nature cardiovascular research, 1(7), 649.

Sheldon JR, et al. (2022) Lipocalin-2 is an essential component of the innate immune response to *Acinetobacter baumannii* infection. PLoS pathogens, 18(9), e1010809.

Chella Krishnan K, et al. (2019) Sex-specific metabolic functions of adipose Lipocalin-2. Molecular metabolism, 30, 30.

Zhao N, et al. (2019) Lipocalin-2 may produce damaging effect after cerebral ischemia by inducing astrocytes classical activation. Journal of neuroinflammation, 16(1), 168.

Toyonaga T, et al. (2016) Lipocalin 2 prevents intestinal inflammation by enhancing phagocytic bacterial clearance in macrophages. Scientific reports, 6, 35014.