

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

B6.129-Kdm1a^{tm1.1Sho}/J

RRID:IMSR_JAX:023969

Type: Organism

Proper Citation

RRID:IMSR_JAX:023969

Organism Information

URL: <https://www.jax.org/strain/023969>

Proper Citation: RRID:IMSR_JAX:023969

Description: Mus musculus with name B6.129-Kdm1a^{tm1.1Sho}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: lysine (K)-specific demethylase 1A; mutant strain|congenic strain: Kdm1a

Affected Gene: lysine (K)-specific demethylase 1A

Genomic Alteration: targeted mutation 1.1; Stuart Orkin

Catalog Number: JAX:023969

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Kdm1a^{tm1.1Sho}/J

Record Creation Time: 20250513T053749+0000

Record Last Update: 20260919T054935+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Kdm1a^{tm1.1Sho}/J.

No alerts have been found for B6.129-Kdm1a^{tm1.1Sho}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Martín-González AM, et al. (2025) Cooperative control of neuron-specific repressive chromatin states by intellectual-disability-linked KDM1A and KDM5C demethylases. *Cell reports*, 44(9), 116201.

Del Blanco B, et al. (2024) Kdm1a safeguards the topological boundaries of PRC2-repressed genes and prevents aging-related euchromatinization in neurons. *Nature communications*, 15(1), 1781.

Araki H, et al. (2023) LSD1 defines the fiber type-selective responsiveness to environmental stress in skeletal muscle. *eLife*, 12.

Guo P, et al. (2022) The assembly of mammalian SWI/SNF chromatin remodeling complexes is regulated by lysine-methylation dependent proteolysis. *Nature communications*, 13(1), 6696.

Hu X, et al. (2019) LSD1 suppresses invasion, migration and metastasis of luminal breast cancer cells via activation of GATA3 and repression of TRIM37 expression. *Oncogene*, 38(44), 7017.