

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 17, 2026

B6;129-Adora2a^{tm1Dyj/J}

RRID:IMSR_JAX:010687

Type: Organism

Proper Citation

RRID:IMSR_JAX:010687

Organism Information

URL: <https://www.jax.org/strain/010687>

Proper Citation: RRID:IMSR_JAX:010687

Description: Mus musculus with name B6;129-Adora2a^{tm1Dyj/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: adenosine A2a receptor; mutant stock: Adora2a

Affected Gene: adenosine A2a receptor

Genomic Alteration: targeted mutation 1; Yuan-Ji Day

Catalog Number: JAX:010687

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Adora2a^{tm1Dyj/J}

Record Creation Time: 20250513T053717+0000

Record Last Update: 20260815T050627+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Adora2a^{tm1Dyj/J}.

No alerts have been found for B6;129-Adora2a^{tm1Dyj/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Zhang J, et al. (2026) A dual-color miniature endoscope for calcium imaging in behaving mice. iScience, 29(5), 115514.

Nasrallah K, et al. (2024) Retrograde adenosine/A2A receptor signaling facilitates excitatory synaptic transmission and seizures. Cell reports, 43(7), 114382.

Allard B, et al. (2023) Adenosine A2A receptor is a tumor suppressor of NASH-associated hepatocellular carcinoma. Cell reports. Medicine, 4(9), 101188.

Levack RC, et al. (2022) Adenosine receptor 2a agonists target mouse CD11c+T-bet+ B cells in infection and autoimmunity. Nature communications, 13(1), 452.