

Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

B6;129S-Rab3a^{tm1Sud}/J

RRID:IMSR_JAX:002443

Type: Organism

Proper Citation

RRID:IMSR_JAX:002443

Organism Information

URL: <https://www.jax.org/strain/002443>

Proper Citation: RRID:IMSR_JAX:002443

Description: Mus musculus with name B6;129S-Rab3a^{tm1Sud}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: RAB3A; member RAS oncogene family; mutant stock: Rab3a

Affected Gene: RAB3A; member RAS oncogene family

Genomic Alteration: targeted mutation 1; Thomas C Sudhof

Catalog Number: JAX:002443

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6;129S-Rab3a^{tm1Sud}/J

Record Creation Time: 20250513T053632+0000

Record Last Update: 20260919T054821+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Rab3a^{tm1Sud}/J.

No alerts have been found for B6;129S-Rab3a^{tm1Sud}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Koesters AG, et al. (2025) Homeostatic synaptic plasticity of miniature excitatory postsynaptic currents in mouse cortical cultures requires neuronal Rab3a. eLife, 12.

Hanes AL, et al. (2020) Divergent Synaptic Scaling of Miniature EPSCs following Activity Blockade in Dissociated Neuronal Cultures. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(21), 4090.