

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 2026

## B6;129S-Rab3a<sup>tm1Sud</sup>/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<sup>tm1Sud</sup>/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<sup>tm1Sud</sup>/J

**Record Creation Time:** 20250513T053632+0000

**Record Last Update:** 20260725T044339+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129S-Rab3a<sup>tm1Sud</sup>/J.

No alerts have been found for B6;129S-Rab3a<sup>tm1Sud</sup>/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

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.