

# Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

## B6;129S-Syt1<sup>tm1Sud</sup>/J

RRID:IMSR\_JAX:002478

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:002478

### Organism Information

**URL:** <https://www.jax.org/strain/002478>

**Proper Citation:** RRID:IMSR\_JAX:002478

**Description:** Mus musculus with name B6;129S-Syt1<sup>tm1Sud</sup>/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: synaptotagmin I; mutant stock: Syt1

**Affected Gene:** synaptotagmin I

**Genomic Alteration:** targeted mutation 1; Thomas C Sudhof

**Catalog Number:** JAX:002478

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6;129S-Syt1<sup>tm1Sud</sup>/J

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

**Record Last Update:** 20260808T050834+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129S-Syt1<sup>tm1Sud</sup>/J.

No alerts have been found for B6;129S-Syt1<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 [SPARC SAWG](#) .

Mendonça PRF, et al. (2022) Asynchronous glutamate release is enhanced in low release efficacy synapses and dispersed across the active zone. Nature communications, 13(1), 3497.

Varga K, et al. (2020) Phosphatidylserine is critical for vesicle fission during clathrin-mediated endocytosis. Journal of neurochemistry, 152(1), 48.