

Resource Summary Report

Generated by [ASWG](#) on Jul 29, 2026

B6;129S-Syt1^{tm1Sud}/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^{tm1Sud}/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^{tm1Sud}/J

Record Creation Time: 20250513T053632+0000

Record Last Update: 20260725T044340+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Syt1^{tm1Sud}/J.

No alerts have been found for B6;129S-Syt1^{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 [ASWG](#) .

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.