

Resource Summary Report

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

STOCK Slc2a1^{tm1.1Stma}/AbelJ

RRID:IMSR_JAX:031871

Type: Organism

Proper Citation

RRID:IMSR_JAX:031871

Organism Information

URL: <https://www.jax.org/strain/031871>

Proper Citation: RRID:IMSR_JAX:031871

Description: Mus musculus with name STOCK Slc2a1^{tm1.1Stma}/AbelJ from IMSR.

Species: Mus musculus

Synonyms: B6.129S1(Cg)-Slc2a1/AbelJ

Notes: gene symbol note: solute carrier family 2 (facilitated glucose transporter); member 1; mutant stock: Slc2a1

Affected Gene: solute carrier family 2 (facilitated glucose transporter); member 1

Genomic Alteration: targeted mutation 1.1; Steven M Anderson

Catalog Number: JAX:031871

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Slc2a1^{tm1.1Stma}/AbelJ

Record Creation Time: 20250513T053825+0000

Record Last Update: 20260725T044525+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Slc2a1^{tm1.1Stma}/AbelJ.

No alerts have been found for STOCK Slc2a1^{tm1.1Stma}/AbelJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Daniele LL, et al. (2026) Selective deletion of Slc2a1 from the RPE reveals that rods but not cones depend on glucose transport across the outer blood-retinal barrier. iScience, 29(1), 114450.

Ugolini A, et al. (2025) Functional Reprogramming of Neutrophils within the Brain Tumor Microenvironment by Hypoxia-Driven Histone Lactylation. Cancer discovery, 15(6), 1270.

Subudhi I, et al. (2024) Metabolic coordination between skin epithelium and type 17 immunity sustains chronic skin inflammation. Immunity, 57(7), 1665.

De Leo A, et al. (2024) Glucose-driven histone lactylation promotes the immunosuppressive activity of monocyte-derived macrophages in glioblastoma. Immunity, 57(5), 1105.

Liu S, et al. (2023) A tissue injury sensing and repair pathway distinct from host pathogen defense. Cell, 186(10), 2127.

Ancey PB, et al. (2021) GLUT1 Expression in Tumor-Associated Neutrophils Promotes Lung Cancer Growth and Resistance to Radiotherapy. Cancer research, 81(9), 2345.