

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

B6.129(Cg)-Rab7^{tm1.1Ale/J}

RRID:IMSR_JAX:021589

Type: Organism

Proper Citation

RRID:IMSR_JAX:021589

Organism Information

URL: <https://www.jax.org/strain/021589>

Proper Citation: RRID:IMSR_JAX:021589

Description: Mus musculus with name B6.129(Cg)-Rab7^{tm1.1Ale/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: RAB7; member RAS oncogene family; mutant strain|congenic strain: Rab7

Affected Gene: RAB7; member RAS oncogene family

Genomic Alteration: targeted mutation 1.1; Aimee Edinger

Catalog Number: JAX:021589

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129(Cg)-Rab7^{tm1.1Ale/J}

Record Creation Time: 20250513T053743+0000

Record Last Update: 20260808T050948+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Rab7^{tm1.1Ale/J}.

No alerts have been found for B6.129(Cg)-Rab7^{tm1.1Ale/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 [SPARC SAWG](#) .

Cottarelli A, et al. (2025) Rab7a is required to degrade select blood-brain barrier junctional proteins after ischemic stroke. *Acta neuropathologica communications*, 13(1), 203.

Zierke L, et al. (2024) Initiation of acute pancreatitis in mice is independent of fusion between lysosomes and zymogen granules. *Cellular and molecular life sciences : CMLS*, 81(1), 207.