

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

B6.Cg-Abca1^{tm1Jp} Abcg1/J

RRID:IMSR_JAX:021067

Type: Organism

Proper Citation

RRID:IMSR_JAX:021067

Organism Information

URL: <https://www.jax.org/strain/021067>

Proper Citation: RRID:IMSR_JAX:021067

Description: Mus musculus with name B6.Cg-Abca1^{tm1Jp} Abcg1/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S6(Cg)-Abca1 Abcg1/J

Notes: gene symbol note: ATP-binding cassette; sub-family A member 1|ATP binding cassette subfamily G member 1; mutant strain|congenic strain: Abca1|Abcg1

Affected Gene: ATP-binding cassette; sub-family A member 1|ATP binding cassette subfamily G member 1

Genomic Alteration: targeted mutation 1; John S Parks|targeted mutation 1; Alan Tall

Catalog Number: JAX:021067

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Abca1^{tm1Jp} Abcg1/J

Record Creation Time: 20250513T053742+0000

Record Last Update: 20260808T050947+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Abca1^{tm1Jp} Abcg1/J.

No alerts have been found for B6.Cg-Abca1^{tm1Jp} Abcg1/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Feng R, et al. (2025) Single-cell spatial transcriptomic profiling defines a pathogenic inflammatory niche in chronic active multiple sclerosis lesions. *Immunity*, 58(12), 2989.

Terao R, et al. (2024) LXR/CD38 activation drives cholesterol-induced macrophage senescence and neurodegeneration via NAD⁺ depletion. *Cell reports*, 43(5), 114102.

Guilbaud E, et al. (2023) Cholesterol efflux pathways hinder KRAS-driven lung tumor progenitor cell expansion. *Cell stem cell*, 30(6), 800.

El-Kenawi A, et al. (2021) Macrophage-Derived Cholesterol Contributes to Therapeutic Resistance in Prostate Cancer. *Cancer research*, 81(21), 5477.

Storti F, et al. (2019) Impaired ABCA1/ABCG1-mediated lipid efflux in the mouse retinal pigment epithelium (RPE) leads to retinal degeneration. *eLife*, 8.

Zhou M, et al. (2019) Therapeutic FGF19 promotes HDL biogenesis and transhepatic cholesterol efflux to prevent atherosclerosis. *Journal of lipid research*, 60(3), 550.

Thomas DG, et al. (2018) LXR Suppresses Inflammatory Gene Expression and Neutrophil Migration through cis-Repression and Cholesterol Efflux. *Cell reports*, 25(13), 3774.

Westerterp M, et al. (2017) Cholesterol Accumulation in Dendritic Cells Links the Inflammasome to Acquired Immunity. *Cell metabolism*, 25(6), 1294.