Resource Summary Report

Generated by T1D on Sep 20, 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 subfamily G member 1|ATP-binding cassette; sub-family A member 1; mutant strain|congenic strain: Abcg1|Abca1

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

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

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: 20260919T054929+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 T1D .

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.