

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

B6;129-Abca4^{tm1Ght} Rdh8/J

RRID:IMSR_JAX:030503

Type: Organism

Proper Citation

RRID:IMSR_JAX:030503

Organism Information

URL: <https://www.jax.org/strain/030503>

Proper Citation: RRID:IMSR_JAX:030503

Description: Mus musculus with name B6;129-Abca4^{tm1Ght} Rdh8/J from IMSR.

Species: Mus musculus

Synonyms: B6;129-Rdh8/J

Notes: gene symbol note: retinol dehydrogenase 8|ATP-binding cassette; sub-family A member 4; mutant stock: Rdh8|Abca4

Affected Gene: retinol dehydrogenase 8|ATP-binding cassette; sub-family A member 4

Genomic Alteration: targeted mutation 1; Krzysztof Palczewski|targeted mutation 1; Gabriel H Travis

Catalog Number: JAX:030503

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Abca4^{tm1Ght} Rdh8/J

Record Creation Time: 20250513T053815+0000

Record Last Update: 20260829T045124+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Abca4^{tm1Ght} Rdh8/J.

No alerts have been found for B6;129-Abca4^{tm1Ght} Rdh8/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Tao L, et al. (2025) Transferrin ameliorates retinal degeneration by mediating the dimerization of all-trans-retinal. The Journal of biological chemistry, 301(1), 108054.

Yang B, et al. (2025) Activation of GSDME by all-trans-retinal increases sensitivity to photoreceptor ferroptosis. International journal of biological sciences, 21(15), 7029.

Ortega JT, et al. (2025) Discovery of non-retinoid compounds that suppress the pathogenic effects of misfolded rhodopsin in a mouse model of retinitis pigmentosa. PLoS biology, 23(1), e3002932.

Yang B, et al. (2024) Quercetin Alleviates All-Trans-Retinal-Induced Photoreceptor Apoptosis and Retinal Degeneration by Inhibiting the ER Stress-Related PERK Signaling. International journal of molecular sciences, 25(24).

Riedmayr LM, et al. (2023) mRNA trans-splicing dual AAV vectors for (epi)genome editing and gene therapy. Nature communications, 14(1), 6578.