

Resource Summary Report

Generated by T1D on Sep 6, 2026

B6;129P2-Pnpla2^{tm1Rze}/J

RRID:IMSR_JAX:019003

Type: Organism

Proper Citation

RRID:IMSR_JAX:019003

Organism Information

URL: <https://www.jax.org/strain/019003>

Proper Citation: RRID:IMSR_JAX:019003

Description: Mus musculus with name B6;129P2-Pnpla2^{tm1Rze}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129P2-Pnpla2/J

Notes: gene symbol note: patatin-like phospholipase domain containing 2; mutant stock: Pnpla2

Affected Gene: patatin-like phospholipase domain containing 2

Genomic Alteration: targeted mutation 1; Rudolf Zechner

Catalog Number: JAX:019003

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129P2-Pnpla2^{tm1Rze}/J

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260905T044522+0000

Ratings and Alerts

No rating or validation information has been found for B6;129P2-Pnpla2^{tm1Rze}/J.

No alerts have been found for B6;129P2-Pnpla2^{tm1Rze}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Hara M, et al. (2023) PNPLA2 mobilizes retinyl esters from retinosomes and promotes the generation of 11-cis-retinal in the visual cycle. Cell reports, 42(2), 112091.

Raje V, et al. (2020) Adipocyte lipolysis drives acute stress-induced insulin resistance. Scientific reports, 10(1), 18166.

Schreiber R, et al. (2017) Cold-Induced Thermogenesis Depends on ATGL-Mediated Lipolysis in Cardiac Muscle, but Not Brown Adipose Tissue. Cell metabolism, 26(5), 753.

Huang SC, et al. (2014) Cell-intrinsic lysosomal lipolysis is essential for alternative activation of macrophages. Nature immunology, 15(9), 846.