

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

FVB.129(Cg)-Atp2b4^{tm1Ges}/Mmjax

RRID:MMRRC_036807-JAX

Type: Organism

Proper Citation

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Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36807

Proper Citation: RRID:MMRRC_036807-JAX

Description: Mus musculus with name FVB.129(Cg)-Atp2b4^{tm1Ges}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cardiovascular, Cell Biology, Immunology and Inflammation, Reproduction; Mutation Type: Targeted Mutation ; Collection:

Phenotype: excessive scratching [MP:0001412]| male infertility [MP:0001925]| asthenozoospermia [MP:0002675]| enlarged submandibular lymph nodes [MP:0002742]| decreased vasoconstriction [MP:0003026]

Affected Gene: Atp2b4

Catalog Number: 036807-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15178683](#), [PMID:19287093](#), [PMID:15133509](#), [PMID:16956963](#), [PMID:23266958](#)

Alternate IDs: MMRRC_36807-JAX, MMRRC_036807, MMRRC_3687

Organism Name: FVB.129(Cg)-Atp2b4^{tm1Ges}/Mmjax

Record Creation Time: 20230308T055148+0000

Record Last Update: 20260829T123616+0000

Ratings and Alerts

No rating or validation information has been found for FVB.129(Cg)-*Atp2b4*^{tm1Ges}/Mmjax.

No alerts have been found for FVB.129(Cg)-*Atp2b4*^{tm1Ges}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Beckmann D, et al. (2023) Ca²⁺ Homeostasis by Plasma Membrane Ca²⁺ ATPase (PMCA) 1 Is Essential for the Development of DP Thymocytes. International journal of molecular sciences, 24(2).

Korthals M, et al. (2021) Plasma membrane Ca²⁺ ATPase 1 (PMCA1) but not PMCA4 is critical for B-cell development and Ca²⁺ homeostasis in mice. European journal of immunology, 51(3), 594.

Navarrete FA, et al. (2016) Transient exposure to calcium ionophore enables in vitro fertilization in sterile mouse models. Scientific reports, 6, 33589.