

Resource Summary Report

Generated by [NIF](#) on Aug 7, 2026

FVB.129X1(Cg)-Atp2a2^{tm1Ges}/Mmjax

RRID:MMRRC_036806-JAX

Type: Organism

Proper Citation

RRID:MMRRC_036806-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36806

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Description: Mus musculus with name FVB.129X1(Cg)-Atp2a2^{tm1Ges}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Cardiovascular, Cell Biology, Dermatology, Diabetes, Models for Human Disease; Mutation Type: Targeted Mutation ; Collection:

Phenotype: esophageal epithelium hyperplasia [MP:0000466]| toenail hyperkeratosis [MP:0000582]| hyperkeratosis [MP:0001242]| cardiac hypertrophy [MP:0001625]| increased tumor incidence [MP:0002020]| increased skin papilloma incidence [MP:0002051]| premature death [MP:0002083]| heart left ventricle hypertrophy [MP:0002625]| dilated heart left ventricle [MP:0002753]| increased heart weight [MP:0002833]| decreased systemic arterial blood pressure [MP:0002843]| thick ventricular wall [MP:0002953]| cardiac fibrosis [MP:0003141]| increased esophageal papilloma incidence [MP:0003277]| increased left ventricle diastolic pressure [MP:0003819]| decreased left ventricle systolic pressure [MP:0003822]| pulmonary edema [MP:0003828]| abnormal heart left ventricle morphology [MP:0003921]| abnormal cardiac muscle relaxation [MP:0004084]| increased squamous cell carcinoma incidence [MP:0004207]| abnormal myocardial fiber physiology [MP:0004215]| abnormal calcium ion homeostasis [MP:0004231]| increased response of heart to induced stress [MP:0004485]| cachexia [MP:0005150]| lethargy [MP:0005202]| stomach epithelial hyperplasia [MP:0005493]| decreased ventricle muscle contractility [MP:0005598]| congestive heart failure [MP:0006138]| abnormal osteoclast differentiation [MP:0008396]| penis prolapse [MP:0009105]| increased sensitivity to induced morbidity/mortality [MP:0009763]| increased heart left ventricle size [MP:0010579]| thick interventricular septum [MP:0010724]| prenatal lethality [MP:0011091]| complete penetrance [MP:0030257]

Affected Gene: Atp2a2

Catalog Number: 036806-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9891028](#), [PMID:16204033](#), [PMID:11389134](#), [PMID:14630633](#), [PMID:14499868](#), [PMID:11387203](#)

Alternate IDs: MMRRC_36806-JAX, MMRRC_036806, MMRRC_3686

Organism Name: FVB.129X1(Cg)-*Atp2a2*^{tm1Ges}/Mmjax

Record Creation Time: 20230308T055148+0000

Record Last Update: 20260801T124339+0000

Ratings and Alerts

No rating or validation information has been found for FVB.129X1(Cg)-*Atp2a2*^{tm1Ges}/Mmjax.

No alerts have been found for FVB.129X1(Cg)-*Atp2a2*^{tm1Ges}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.