

Resource Summary Report

Generated by T1D on Sep 20, 2026

C57BL/6-Actb^{tm3.1(Sirt1)}Npa/J

RRID:IMSR_JAX:013080

Type: Organism

Proper Citation

RRID:IMSR_JAX:013080

Organism Information

URL: <https://www.jax.org/strain/013080>

Proper Citation: RRID:IMSR_JAX:013080

Description: Mus musculus with name C57BL/6-Actb^{tm3.1(Sirt1)}Npa/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: actin; beta|sirtuin 1; coisogenic strain|mutant strain: Actb|Sirt1

Affected Gene: actin; beta|sirtuin 1

Genomic Alteration: targeted mutation 3.1; Novartis Pharma AG

Catalog Number: JAX:013080

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6-Actb^{tm3.1(Sirt1)}Npa/J

Record Creation Time: 20250513T053723+0000

Record Last Update: 20260919T054911+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Actb^{tm3.1(Sirt1)}Npa/J.

No alerts have been found for C57BL/6-Actb^{tm3.1(Sirt1)}Npa/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Wang Y, et al. (2016) SIRT1 increases YAP- and MKK3-dependent p38 phosphorylation in mouse liver and human hepatocellular carcinoma. *Oncotarget*, 7(10), 11284.

Mortuza R, et al. (2015) SIRT1 reduction causes renal and retinal injury in diabetes through endothelin 1 and transforming growth factor β 1. *Journal of cellular and molecular medicine*, 19(8), 1857.