

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

STOCK *Acly^{tm1.1Welk}/Mmjax*

RRID:MMRRC_043555-JAX

Type: Organism

Proper Citation

RRID:MMRRC_043555-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=43555

Proper Citation: RRID:MMRRC_043555-JAX

Description: Mus musculus with name STOCK *Acly^{tm1.1Welk}/Mmjax* from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Cardiovascular, Cell Biology, Developmental Biology, Diabetes, Hematology, Immunology and Inflammation, Metabolism, Models for Human Disease, Obesity, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Affected Gene: *Acly*

Catalog Number: 043555-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_43555-JAX, MMRRC_043555, MMRRC_43555

Organism Name: STOCK *Acly^{tm1.1Welk}/Mmjax*

Record Creation Time: 20230308T055233+0000

Record Last Update: 20260919T134124+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Acly^{tm1.1Welk}/Mmjax*.

No alerts have been found for STOCK *Acly^{tm1.1Welk}/Mmjax*.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Li M, et al. (2026) ACLY integrates metabolism and chromatin accessibility to enable B Cell activation and humoral immunity. bioRxiv : the preprint server for biology.

Sauma S, et al. (2026) Glucose-dependent spatial and temporal modulation of oligodendrocyte progenitor cell proliferation via ACLY-regulated histone acetylation. Nature neuroscience, 29(6), 1327.

Du J, et al. (2026) Gut Microbiota-derived Acetate Safeguards the Colonic Epithelial Acetyl-CoA Reserve to Avert Colonic Senescence. bioRxiv : the preprint server for biology.

Nguyen PTT, et al. (2025) Acetyl-CoA synthesis in the skin is a key determinant of systemic lipid homeostasis. Cell reports, 44(2), 115284.

Schneider A, et al. (2024) The role of ATP citrate lyase in myelin formation and maintenance. Glia.

Noe JT, et al. (2021) Lactate supports a metabolic-epigenetic link in macrophage polarization. Science advances, 7(46), eabi8602.