

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

C57BL/6-App^{tm2(NL-F)Tcs}/TcsRbrc

RRID:IMSR_RBRC06343

Type: Organism

Proper Citation

RRID:IMSR_RBRC06343

Organism Information

URL: <https://brc.riken.jp/mus/RBRC06343>

Proper Citation: RRID:IMSR_RBRC06343

Description: Mus musculus with name C57BL/6-App^{tm2(NL-F)Tcs}/TcsRbrc from IMSR.

Species: Mus musculus

Synonyms: APP. B6-App/NL-F KI. C57BL/6-App. C57BL/6-App/TcsRbrc

Notes: gene symbol note: amyloid beta precursor protein; mutant strain: App

Affected Gene: amyloid beta precursor protein

Genomic Alteration: targeted mutation 2.1; Takaomi C Saido

Catalog Number: RBRC06343

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: C57BL/6-App^{tm2(NL-F)Tcs}/TcsRbrc

Record Creation Time: 20250513T061510+0000

Record Last Update: 20260829T053555+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-App^{tm2(NL-F)Tcs}/TcsRbrc.

No alerts have been found for C57BL/6-App^{tm2(NL-F)Tcs}/TcsRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Peck MR, et al. (2026) D-methionine improves spatial navigation and attenuates oxidative stress and amyloid pathology in a sex-specific manner. Journal of Alzheimer's disease : JAD, 111(4), 1807.

Peck MR, et al. (2026) D-Methionine Improves Spatial Navigation and Attenuates Oxidative Stress and Amyloid Pathology in a Sex-Specific Manner. bioRxiv : the preprint server for biology.

McFadden SA, et al. (2026) Surgical removal of visceral adipose tissue has therapeutic benefit in male APPNL-F mice. Frontiers in endocrinology, 17, 1681801.

Roberts H, et al. (2025) Lifespan of male and female APP/PS1 and APPNL-F/NL-F mouse models of Alzheimer's disease. Journal of Alzheimer's disease : JAD, 105(1), 56.

Bay S, et al. (2025) Systems-Level Interactome Mapping Reveals Actionable Protein Network Dysregulation Across the Alzheimer's Disease Spectrum. Research square.

McFadden SA, et al. (2025) Surgical Removal of Visceral Adipose Tissue has Therapeutic Benefit in Male APPNL-F Mice. bioRxiv : the preprint server for biology.

Honda K, et al. (2024) Suppression of the amyloidogenic metabolism of APP and the accumulation of A β by alcadein ? in the brain during aging. Scientific reports, 14(1), 18471.

Findley CA, et al. (2023) Prodromal Glutamatergic Modulation with Riluzole Impacts Glucose Homeostasis and Spatial Cognition in Alzheimer's Disease Mice. Journal of Alzheimer's disease : JAD, 94(1), 371.

Findley CA, et al. (2023) Altered Hippocampal Glutamatergic Neurotransmission and Cognitive Impairment in APP Knock-In Mice. bioRxiv : the preprint server for biology.

Fang Y, et al. (2023) Senolytic Intervention Improves Cognition, Metabolism, and Adiposity in Female APPNL-F/NL-F Mice. bioRxiv : the preprint server for biology.

Hata S, et al. (2021) Suppression of amyloid- β secretion from neurons by cis-9, trans-11-octadecadienoic acid, an isomer of conjugated linoleic acid. Journal of neurochemistry, 159(3), 603.

Sauerbeck AD, et al. (2020) SEQUIN Multiscale Imaging of Mammalian Central Synapses Reveals Loss of Synaptic Connectivity Resulting from Diffuse Traumatic Brain Injury.

Neuron, 107(2), 257.