

Resource Summary Report

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C57BL/6J-Tg(Thy1-APPSw.Thy1-PSEN1*L166P)21Jckr/J

RRID:IMSR_JAX:037891

Type: Organism

Proper Citation

RRID:IMSR_JAX:037891

Organism Information

URL: <https://www.jax.org/strain/037891>

Proper Citation: RRID:IMSR_JAX:037891

Description: Mus musculus with name C57BL/6J-Tg(Thy1-APPSw.Thy1-PSEN1*L166P)21Jckr/J from IMSR.

Species: Mus musculus

Synonyms: B6.APPPS1-21

Notes: gene symbol note: thymus cell antigen 1; theta|amyloid beta (A4) precursor protein (chimeric)|presenilin 1|transgene insertion 21; Mathias Jucker; coisogenic strain|mutant strain: Thy1|APP695|PSEN1|Tg(Thy1-APPSw;Thy1-PSEN1*L166P)21Jckr

Affected Gene: thymus cell antigen 1; theta|amyloid beta (A4) precursor protein (chimeric)|presenilin 1|transgene insertion 21; Mathias Jucker

Genomic Alteration: transgene insertion 21; Mathias Jucker

Catalog Number: JAX:037891

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6J-Tg(Thy1-APPSw.Thy1-PSEN1*L166P)21Jckr/J

Record Creation Time: 20250513T053902+0000

Record Last Update: 20260808T051057+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(Thy1-APP^{Sw}.Thy1-PSEN1*^{L166P})21Jckr/J.

No alerts have been found for C57BL/6J-Tg(Thy1-APP^{Sw}.Thy1-PSEN1*^{L166P})21Jckr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Kim B, et al. (2026) Deletion of SPI1 in microglia exacerbates amyloid pathology by impairing microglial response in Alzheimer's disease models. *Neuron*.

Liao F, et al. (2025) Anti-pyroglutamate-3 A β immunotherapy engages microglia and inhibits amyloid accumulation in transgenic mouse models of A β amyloidosis. *Acta neuropathologica*, 149(1), 55.

Schneeberger S, et al. (2025) Interleukin-12 signaling drives Alzheimer's disease pathology through disrupting neuronal and oligodendrocyte homeostasis. *Nature aging*, 5(4), 622.

Chandra S, et al. (2025) The gut microbiome controls reactive astrocytosis during A β amyloidosis via propionate-mediated regulation of IL-17. *The Journal of clinical investigation*, 135(13).

El Menuawy A, et al. (2024) Apolar Extracts of St. John's Wort Alleviate the Effects of β -Amyloid Toxicity in Early Alzheimer's Disease. *International journal of molecular sciences*, 25(2).

Kaji S, et al. (2024) Apolipoprotein E aggregation in microglia initiates Alzheimer's disease pathology by seeding β -amyloidosis. *Immunity*, 57(11), 2651.