Resource Summary Report

Generated by dkNET on Sep 15, 2026

B6.B6NCrl-Tg(Thy1-APPSwDutIowa)BWevn/Mmjax

RRID:MMRRC_034843-JAX
Type: Organism

Proper Citation

RRID:MMRRC_034843-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34843

Proper Citation: RRID:MMRRC_034843-JAX

Description: Mus musculus with name B6.B6NCrl-Tg(Thy1-APPSwDutIowa)BWevn/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Transgenic ; Collection:

Affected Gene: Thy1

Catalog Number: 034843-JAX

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:14985348

Alternate IDs: MMRRC_34843-JAX, MMRRC_034843, MMRRC_34843

Organism Name: B6.B6NCrl-Tg(Thy1-APPSwDutIowa)BWevn/Mmjax

Record Creation Time: 20230308T055135+0000

Record Last Update: 20260912T134816+0000

Ratings and Alerts

No rating or validation information has been found for B6.B6NCrl-Tg(Thy1-APPSwDutIowa)BWevn/Mmjax.

No alerts have been found for B6.B6NCrl-Tg(Thy1-APPSwDutIowa)BWevn/Mmjax.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Sabourin S, et al. (2026) Sex specific effects of a high fat diet on metabolism, cognition, and pathology in the Tg-SwDI mouse model of Alzheimer's disease. Journal of neuroinflammation, 23(1).

Gutiérrez-Jiménez E, et al. (2025) Carbonic anhydrase inhibitors prevent presymptomatic capillary flow disturbances in a model of cerebral amyloidosis. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(3), e70023.

Yang J, et al. (2025) MiR-34a deficiency enhances nucleic acid sensing and type I IFN signaling in a mouse model of Alzheimer's disease. bioRxiv : the preprint server for biology.

Noto NM, et al. (2025) Chronic Treatment of a Mouse Model of Cerebral Amyloid Angiopathy and Brain AT1 Receptor Expression. bioRxiv : the preprint server for biology.

Carlsen J, et al. (2025) Cerebral proteome adaptations to amyloid angiopathy are prevented by carbonic anhydrase inhibitors. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(4), e70122.

Wang L, et al. (2025) Amyloid beta peptides inhibit glucose transport at the blood-brain barrier by disrupting the insulin-AKT pathway. Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism, 271678X251332493.

Zhong R, et al. (2025) The HDL-Mimetic Peptide 4F Mitigates Vascular and Cortical Amyloid Pathology and Associated Neuroinflammation in a Transgenic Mouse Model of Cerebral Amyloid Angiopathy and Alzheimer's Disease. Molecular neurobiology, 62(8), 9507.

Peralta Reyes FS, et al. (2025) Lecanemab Binds to Transgenic Mouse Model-Derived Amyloid-? Fibril Structures Resembling Alzheimer's Disease Type I, Type II and Arctic Folds. Neuropathology and applied neurobiology, 51(3), e70022.

Sabourin S, et al. (2025) Sex Specific Effects of a High Fat Diet on Metabolism, Cognition, and Pathology in the Tg-SwDI Mouse Model of Alzheimer's Disease. Research square.

Zielinski M, et al. (2023) Cryo-EM of A? fibrils from mouse models find tg-APPArcSwe fibrils resemble those found in patients with sporadic Alzheimer's disease. Nature neuroscience, 26(12), 2073.

Kass B, et al. (2022) A? oligomer concentration in mouse and human brain and its drug-induced reduction ex vivo. Cell reports. Medicine, 3(5), 100630.

Setti SE, et al. (2022) Assessment of sex-related neuropathology and cognitive deficits in the Tg-SwDI mouse model of Alzheimer's disease. Behavioural brain research, 428, 113882.

Reinitz F, et al. (2022) Inhibiting USP16 rescues stem cell aging and memory in an Alzheimer's model. eLife, 11.

Schemmert S, et al. (2021) In Vitro and In Vivo Efficacies of the Linear and the Cyclic Version of an All-d-Enantiomeric Peptide Developed for the Treatment of Alzheimer's Disease. International journal of molecular sciences, 22(12).

Munting LP, et al. (2021) Cerebral blood flow and cerebrovascular reactivity are preserved in a mouse model of cerebral microvascular amyloidosis. eLife, 10.

Lee JS, et al. (2019) Inhibition of Polo-like kinase 2 ameliorates pathogenesis in Alzheimer's disease model mice. PloS one, 14(7), e0219691.

Foidl BM, et al. (2018) Differential Hyperphosphorylation of Tau-S199, -T231 and -S396 in Organotypic Brain Slices of Alzheimer Mice. A Model to Study Early Tau Hyperphosphorylation Using Okadaic Acid. Frontiers in aging neuroscience, 10, 113.

Paul JR, et al. (2018) Behavioral and SCN neurophysiological disruption in the Tg-SwDI mouse model of Alzheimer's disease. Neurobiology of disease, 114, 194.

Kniewallner KM, et al. (2018) Platelets isolated from an Alzheimer mouse damage healthy cortical vessels and cause inflammation in an organotypic ex vivo brain slice model. Scientific reports, 8(1), 15483.

Jankowsky JL, et al. (2017) Practical considerations for choosing a mouse model of Alzheimer's disease. Molecular neurodegeneration, 12(1), 89.