

Resource Summary Report

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B6.Cg-

Tg(APP^{Sw}FLon,PSEN1^{*}M146L^{*}L286V)6799Vas/Mmjax

RRID:MMRRC_034848-JAX

Type: Organism

Proper Citation

RRID:MMRRC_034848-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34848

Proper Citation: RRID:MMRRC_034848-JAX

Description: Mus musculus with name B6.Cg-Tg(APP^{Sw}FLon,PSEN1^{*}M146L^{*}L286V)6799Vas/Mmjax from MMRRC.

Species: Mus musculus

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

Affected Gene: Psen1

Catalog Number: 034848-JAX

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:17021169](https://pubmed.ncbi.nlm.nih.gov/17021169/)

Alternate IDs: MMRRC_34848-JAX, MMRRC_034848, MMRRC_34848

Organism Name: B6.Cg-Tg(APP^{Sw}FLon,PSEN1^{*}M146L^{*}L286V)6799Vas/Mmjax

Record Creation Time: 20230308T055135+0000

Record Last Update: 20250510T105444+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(APP^{SwFILon},PSEN1^{*M146L}*L286V)6799Vas/Mmjax.

No alerts have been found for B6.Cg-Tg(APP^{SwFILon},PSEN1^{*M146L}*L286V)6799Vas/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 114 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Le LHD, et al. (2024) Partial microglial depletion and repopulation exert subtle but differential effects on amyloid pathology at different disease stages. *Scientific reports*, 14(1), 30912.

Puris E, et al. (2024) Sex-specific changes in protein expression of membrane transporters in the brain cortex of 5xFAD mouse model of Alzheimer's disease. *Frontiers in pharmacology*, 15, 1365051.

Marshall JPS, et al. (2024) Behavioral, metabolic, and lipidomic characterization of the 5xFADxTg30 mouse model of Alzheimer's disease. *iScience*, 27(2), 108800.

Liu P, et al. (2024) A β 56 is a stable oligomer that impairs memory function in mice. *iScience*, 27(3), 109239.

Barclay KM, et al. (2024) An inducible genetic tool to track and manipulate specific microglial states reveals their plasticity and roles in remyelination. *Immunity*, 57(6), 1394.

Peng J, et al. (2024) Midkine Attenuates A β Fibril Assembly and Amyloid Plaque Formation. *Research square*.

Butler CA, et al. (2024) The Abca7V1613M variant reduces A β generation, plaque load, and neuronal damage. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 20(7), 4914.

Kim Y, et al. (2024) Oral Administration of Euonymus alatus Leaf Extract Ameliorates

Alzheimer's Disease Phenotypes in 5xFAD Transgenic Mice. *Foods* (Basel, Switzerland), 13(5).

Francis JS, et al. (2024) Over-expression of N-acetylaspartate synthase exacerbates pathological energetic deficit and accelerates cognitive decline in the 5xFAD mouse. *Journal of neurochemistry*, 168(2), 69.

Garcia-Agudo LF, et al. (2024) BIN1K358R suppresses glial response to plaques in mouse model of Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 20(4), 2922.

Murdock MH, et al. (2024) Multisensory gamma stimulation promotes glymphatic clearance of amyloid. *Nature*, 627(8002), 149.

Makhijani P, et al. (2024) Single-cell transcriptomics reveals colonic immune perturbations during amyloid- β driven Alzheimer's disease in mice. *bioRxiv : the preprint server for biology*.

Bouin A, et al. (2024) New rabies viral resources for multi-scale neural circuit mapping. *Molecular psychiatry*, 29(7), 1951.

Lan Y, et al. (2024) Fate mapping of Spp1 expression reveals age-dependent plasticity of disease-associated microglia-like cells after brain injury. *Immunity*, 57(2), 349.

Budamagunta MS, et al. (2024) Nitroxyl Hybrids with Curcumin and Stilbene Scaffolds Display Potent Antioxidant Activity, Remodel the Amyloid Beta Oligomer, and Reverse Amyloid Beta-Induced Cytotoxicity. *Antioxidants* (Basel, Switzerland), 13(11).

Iannucci J, et al. (2024) Traumatic brain injury alters the effects of class II invariant peptide (CLIP) antagonism on chronic meningeal CLIP β cells, neuropathology, and neurobehavioral impairment in 5xFAD mice. *Journal of neuroinflammation*, 21(1), 165.

Codocedo JF, et al. (2024) Therapeutic targeting of immunometabolism reveals a critical reliance on hexokinase 2 dosage for microglial activation and Alzheimer's progression. *Cell reports*, 43(7), 114488.

Esmaeili A, et al. (2024) Recent approaches in regenerative medicine in the fight against neurodegenerative disease. *Brain research*, 1825, 148688.

Odfalk KF, et al. (2024) Hippocampal TMEM55B overexpression in the 5XFAD mouse model of Alzheimer's disease. *Hippocampus*, 34(1), 29.

Ouyang P, et al. (2024) SELENOK-dependent CD36 palmitoylation regulates microglial functions and A β phagocytosis. *Redox biology*, 70, 103064.