

Resource Summary Report

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B6.Cg-Tg(MAPT)8cPdav Mapt^{tm1(EGFP)Klt/J}

RRID:IMSR_JAX:005491

Type: Organism

Proper Citation

RRID:IMSR_JAX:005491

Organism Information

URL: <https://www.jax.org/strain/005491>

Proper Citation: RRID:IMSR_JAX:005491

Description: Mus musculus with name B6.Cg-Tg(MAPT)8cPdav Mapt^{tm1(EGFP)Klt/J} from IMSR.

Species: Mus musculus

Synonyms: htau. B6.Cg-Mapt Tg(MAPT)8cPdav/J

Notes: gene symbol note: microtubule-associated protein tau||microtubule associated protein tau|transgene insertion 8c; Peter Davies; mutant strain|congenic strain: Mapt||MAPT|Tg(MAPT)8cPdav

Affected Gene: microtubule-associated protein tau||microtubule associated protein tau|transgene insertion 8c; Peter Davies

Genomic Alteration: targeted mutation 1; Kerry Lee Tucker|transgene insertion 8c; Peter Davies

Catalog Number: JAX:005491

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(MAPT)8cPdav Mapt^{tm1(EGFP)Klt/J}

Record Creation Time: 20250513T053650+0000

Record Last Update: 20260815T050559+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(MAPT)8cPdav Mapt^{tm1(EGFP)Klt/J}.

No alerts have been found for B6.Cg-Tg(MAPT)8cPdav Mapt^{tm1(EGFP)Klt/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Kolling LJ, et al. (2026) Selective reduction of KCNA4 in vulnerable glutamatergic-serotonin neurons of the dorsal raphe nucleus in Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(5), e71317.

Conway LP, et al. (2025) Discovery of a tau-aggregate clearing compound that covalently targets P4HB. *Cell chemical biology*, 32(10), 1235.

Zwang TJ, et al. (2023) Tissue libraries enable rapid determination of conditions that preserve antibody labeling in cleared mouse and human tissue. *eLife*, 12.

Moayed Y, et al. (2023) The cellular basis of mechanosensation in mammalian tongue. *Cell reports*, 42(2), 112087.

Alvente S, et al. (2022) Pilot Study of the Effects of Chronic Intracerebroventricular Infusion of Human Anti-IgLON5 Disease Antibodies in Mice. *Cells*, 11(6).

Ferrer I, et al. (2022) Common and Specific Marks of Different Tau Strains Following Intra-Hippocampal Injection of AD, PiD, and GGT Inoculum in hTau Transgenic Mice. *International journal of molecular sciences*, 23(24).

Ferrer I, et al. (2022) Dysregulated Brain Protein Phosphorylation Linked to Increased Human Tau Expression in the hTau Transgenic Mouse Model. *International journal of molecular sciences*, 23(12).

Cloyd RA, et al. (2021) Effects of altered tau expression on dentate granule cell excitability in mice. *Experimental neurology*, 343, 113766.

Race B, et al. (2020) Prion-associated cerebral amyloid angiopathy is not exacerbated by human phosphorylated tau aggregates in scrapie-infected mice expressing anchorless prion protein. *Neurobiology of disease*, 144, 105057.

Zareba-Paslawska J, et al. (2020) Tau Isoform-Driven CBD Pathology Transmission in Oligodendrocytes in Humanized Tau Mice. *Frontiers in neurology*, 11, 589471.

Roussarie JP, et al. (2020) Selective Neuronal Vulnerability in Alzheimer's Disease: A Network-Based Analysis. *Neuron*, 107(5), 821.

Wu Z, et al. (2020) Delta-secretase triggers Alzheimer's disease pathologies in wild-type hAPP/hMAPT double transgenic mice. *Cell death & disease*, 11(12), 1058.

Jin N, et al. (2019) Glycogen synthase kinase-3 β suppresses the expression of protein phosphatase methylesterase-1 through β -catenin. *Aging*, 11(21), 9672.