Resource Summary Report

Generated by NIF on Aug 16, 2026

FVB-Fgf14$^{Tg(tetO-MAPT*P301L)4510Kha}$/JlwsJ

RRID:IMSR_JAX:015815
Type: Organism

Proper Citation

RRID:IMSR_JAX:015815

Organism Information

URL: https://www.jax.org/strain/015815

Proper Citation: RRID:IMSR_JAX:015815

Description: Mus musculus with name FVB-Fgf14$^{Tg(tetO-MAPT*P301L)4510Kha}$/JlwsJ from IMSR.

Species: Mus musculus

Synonyms: FVB-Tg(tetO-MAPT*P301L)4510Kha/JlwsJ. FVB-Tg(tetO-MAPT*P301L)#Kha/J. FVB-Tg(tetO-MAPT*P301L)#Kha/JlwsJ

Notes: gene symbol note: fibroblast growth factor 14|tet operator|microtubule associated protein tau; coisogenic strain|mutant strain: Fgf14|tetO|MAPT

Affected Gene: fibroblast growth factor 14|tet operator|microtubule associated protein tau

Genomic Alteration: transgene insertion 4510; Karen Hsiao Ashe

Catalog Number: JAX:015815

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB-Fgf14$^{Tg(tetO-MAPT*P301L)4510Kha}$/JlwsJ

Record Creation Time: 20250513T053728+0000

Record Last Update: 20260815T050639+0000

Ratings and Alerts

No rating or validation information has been found for FVB-Fgf14$^{Tg(tetO-MAPT*P301L)4510Kha}$/JlwsJ.

No alerts have been found for FVB-Fgf14$^{Tg(tetO-MAPT*P301L)4510Kha}$/JlwsJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Tyagi M, et al. (2026) Arc mediates intercellular tau transmission via extracellular vesicles. Cell, 189(15), 4706.

Lopez A, et al. (2025) Carbonic anhydrase inhibition ameliorates tau toxicity via enhanced tau secretion. Nature chemical biology, 21(4), 577.

Wilson P, et al. (2025) Presynaptic recycling pool density regulates spontaneous synaptic vesicle exocytosis rate and is upregulated in the presence of ?-amyloid. Cell reports, 44(4), 115410.

Harris SS, et al. (2025) Alzheimer's disease patient-derived high-molecular-weight tau impairs bursting in hippocampal neurons. Cell, 188(14), 3775.

Colom-Cadena M, et al. (2023) Synaptic oligomeric tau in Alzheimer's disease - A potential culprit in the spread of tau pathology through the brain. Neuron, 111(14), 2170.

Festa BP, et al. (2023) Microglial-to-neuronal CCR5 signaling regulates autophagy in neurodegeneration. Neuron, 111(13), 2021.

Pérez-Sisqués L, et al. (2021) RTP801/REDD1 contributes to neuroinflammation severity and memory impairments in Alzheimer's disease. Cell death & disease, 12(6), 616.

Fu H, et al. (2017) Tau Pathology Induces Excitatory Neuron Loss, Grid Cell Dysfunction, and Spatial Memory Deficits Reminiscent of Early Alzheimer's Disease. Neuron, 93(3), 533.