

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

[Fgf14^{Tg\(tetO-MAPT*P301L\)4510Kha}; Tg\(Camk2a-tTA\)1Mmay](#)

RRID:MGI:4819951

Type: Organism

Proper Citation

RRID:MGI:4819951

Organism Information

URL:

Proper Citation: RRID:MGI:4819951

Description: Allele Detail: Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic This is a legacy resource.

Phenotype: decreased hippocampus pyramidal cell number, neurofibrillary tangles, forebrain atrophy, abnormal neuron morphology, decreased brain weight, abnormal hippocampus CA1 region morphology, abnormal spatial learning

Affected Gene: Fgf14, Tg(Camk2a-tTA)1Mmay

Genomic Alteration: Tg(Camk2a-tTA)1Mmay, Tg(tetO-MAPT*P301L)4510Kha

Catalog Number: 4819951

Background: involves: 129S6/SvEvTac * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16020737](#)

Organism Name: Fgf14^{Tg(tetO-MAPT*P301L)4510Kha}; Tg(Camk2a-tTA)1Mmay

Record Creation Time: 20240120T190250+0000

Ratings and Alerts

No rating or validation information has been found for Fgf14^{Tg(tetO-MAPT*P301L)4510Kha;}
Tg(Camk2a-tTA)1Mmay.

No alerts have been found for Fgf14^{Tg(tetO-MAPT*P301L)4510Kha;} Tg(Camk2a-
tTA)1Mmay.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Ridler T, et al. (2020) Impaired speed encoding and grid cell periodicity in a mouse model of tauopathy. eLife, 9.

Tracy TE, et al. (2016) Acetylated Tau Obstructs KIBRA-Mediated Signaling in Synaptic Plasticity and Promotes Tauopathy-Related Memory Loss. Neuron, 90(2), 245.