Resource Summary Report

Generated by RRID on Jul 29, 2026

B6.129X1-Mapt^{tm1Hnd}/J

RRID:IMSR_JAX:007251
Type: Organism

Proper Citation

RRID:IMSR_JAX:007251

Organism Information

URL: https://www.jax.org/strain/007251

Proper Citation: RRID:IMSR_JAX:007251

Description: Mus musculus with name B6.129X1-Mapt^{tm1Hnd}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Mapt/J

Notes: gene symbol note: microtubule-associated protein tau; mutant strain|congenic strain: Mapt

Affected Gene: microtubule-associated protein tau

Genomic Alteration: targeted mutation 1; Hana N Dawson

Catalog Number: JAX:007251

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129X1-Mapt^{tm1Hnd}/J

Record Creation Time: 20250513T053702+0000

Record Last Update: 20260725T044414+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Mapt^{tm1Hnd}/J.

No alerts have been found for B6.129X1-Mapt^{tm1Hnd}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Tu CL, et al. (2025) ?-Amyloid as a new target to suppress tonic PTH hypersecretion in primary hyperparathyroidism. medRxiv : the preprint server for health sciences.

Atwa A, et al. (2025) BioID2-Based Tau Interactome Reveals Novel and Known Protein Interactions Associated with Multiple Cellular Pathways. Journal of proteome research.

Tseng JH, et al. (2021) Tau seeds are subject to aberrant modifications resulting in distinct signatures. Cell reports, 35(4), 109037.

Galán-Ganga M, et al. (2021) Cannabinoid receptor CB2 ablation protects against TAU induced neurodegeneration. Acta neuropathologica communications, 9(1), 90.

Owen JE, et al. (2021) Late-in-life neurodegeneration after chronic sleep loss in young adult mice. Sleep, 44(8).

Ruan Z, et al. (2021) Alzheimer's disease brain-derived extracellular vesicles spread tau pathology in interneurons. Brain : a journal of neurology, 144(1), 288.

Chang CW, et al. (2021) Tau reduction affects excitatory and inhibitory neurons differently, reduces excitation/inhibition ratios, and counteracts network hypersynchrony. Cell reports, 37(3), 109855.

Criado-Marrero M, et al. (2020) Hippocampal Neurogenesis Is Enhanced in Adult Tau Deficient Mice. Cells, 9(1).

Gonçalves RA, et al. (2020) Behavioral Abnormalities in Knockout and Humanized Tau Mice. Frontiers in endocrinology, 11, 124.

Zhang J, et al. (2020) Interaction of Tau, IL-6 and mitochondria on synapse and cognition following sevoflurane anesthesia in young mice. Brain, behavior, & immunity - health, 8, 100133.

Tai C, et al. (2020) Tau Reduction Prevents Key Features of Autism in Mouse Models. Neuron, 106(3), 421.

Puzzo D, et al. (2020) Tau is not necessary for amyloid-?-induced synaptic and memory impairments. The Journal of clinical investigation, 130(9), 4831.

Chen C, et al. (2018) Mapt deletion fails to rescue premature lethality in two models of sodium channel epilepsy. Annals of clinical and translational neurology, 5(8), 982.

Zhu Y, et al. (2018) Chronic Sleep Disruption Advances the Temporal Progression of Tauopathy in P301S Mutant Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(48), 10255.

Maphis NM, et al. (2017) Whole Genome Expression Analysis in a Mouse Model of Tauopathy Identifies MECP2 as a Possible Regulator of Tau Pathology. Frontiers in molecular neuroscience, 10, 69.