Resource Summary Report

Generated by kravitz2 on Jul 30, 2026

B6.Cg-Tg(Gfap-cre)77.6Mvs/2J

RRID:IMSR_JAX:024098
Type: Organism

Proper Citation

RRID:IMSR_JAX:024098

Organism Information

URL: https://www.jax.org/strain/024098

Proper Citation: RRID:IMSR_JAX:024098

Description: Mus musculus with name B6.Cg-Tg(Gfap-cre)77.6Mvs/2J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 77.6; Michael V Sofroniew|glial fibrillary acidic protein|; mutant strain|congenic strain: Tg(Gfap-cre)77.6Mvs|Gfap|

Affected Gene: transgene insertion 77.6; Michael V Sofroniew|glial fibrillary acidic protein|

Genomic Alteration: transgene insertion 77.6; Michael V Sofroniew

Catalog Number: JAX:024098

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Gfap-cre)77.6Mvs/2J

Record Creation Time: 20250513T053749+0000

Record Last Update: 20260725T044456+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Gfap-cre)77.6Mvs/2J.

No alerts have been found for B6.Cg-Tg(Gfap-cre)77.6Mvs/2J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 43 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Chen SW, et al. (2025) ECM29/proteasome-mediated self-antigen generation by CNS-resident neuroglia promotes regulatory T cell activation. Cell reports, 44(1), 115161.

Gleichman AJ, et al. (2025) Regionally mapped astrocytic responses to cortical and white matter stroke show differential roles in astrocyte-induced vascular remodeling. Neuron, 113(24), 4178.

Lombardi AM, et al. (2024) AKT2 modulates astrocytic nicotine responses in vivo. bioRxiv : the preprint server for biology.

He Q, et al. (2024) Acetate enables metabolic fitness and cognitive performance during sleep disruption. Cell metabolism, 36(9), 1998.

Zhang X, et al. (2024) Cell-type specific circadian transcription factor BMAL1 roles in excitotoxic hippocampal lesions to enhance neurogenesis. iScience, 27(2), 108829.

Asbelaoui N, et al. (2024) Interplay between androgen and CXCR4 chemokine signaling in myelin repair. Acta neuropathologica communications, 12(1), 18.

Feng J, et al. (2024) Monitoring norepinephrine release in vivo using next-generation GRABNE sensors. Neuron, 112(12), 1930.

Ma W, et al. (2023) Type I interferon response in astrocytes promotes brain metastasis by enhancing monocytic myeloid cell recruitment. Nature communications, 14(1), 2632.

Li S, et al. (2023) Vitamin C protects retinal ganglion cells via SPP1 in glaucoma and after optic nerve damage. Life science alliance, 6(8).

Sun C, et al. (2023) Tumor-associated nonmyelinating Schwann cell-expressed PVT1 promotes pancreatic cancer kynurenine pathway and tumor immune exclusion. Science advances, 9(5), eadd6995.

Lahiri A, et al. (2023) Astrocytic deletion of protein kinase R-like ER kinase (PERK) does not affect learning and memory in aged mice but worsens outcome from experimental stroke. Journal of neuroscience research, 101(10), 1586.

Su Y, et al. (2023) Astrocyte endfoot formation controls the termination of oligodendrocyte precursor cell perivascular migration during development. Neuron, 111(2), 190.

de Mello NP, et al. (2023) Ex vivo immunocapture and functional characterization of cell-type-specific mitochondria using MitoTag mice. Nature protocols, 18(7), 2181.

Miguel-Quesada C, et al. (2023) Astrocytes adjust the dynamic range of cortical network activity to control modality-specific sensory information processing. Cell reports, 42(8), 112950.

Zhang YZ, et al. (2023) Activity-dependent ectopic action potentials in regular-spiking neurons of the neocortex. Frontiers in cellular neuroscience, 17, 1267687.

Yang J, et al. (2023) Ventral tegmental area astrocytes modulate cocaine reward by tonically releasing GABA. Neuron, 111(7), 1104.

Wang Y, et al. (2022) SOX2 is essential for astrocyte maturation and its deletion leads to hyperactive behavior in mice. Cell reports, 41(12), 111842.

Lu SZ, et al. (2022) Inhibition of astrocytic DRD2 suppresses CNS inflammation in an animal model of multiple sclerosis. The Journal of experimental medicine, 219(9).

Chen Z, et al. (2022) BzATP Activates Satellite Glial Cells and Increases the Excitability of Dorsal Root Ganglia Neurons In Vivo. Cells, 11(15).

Baytas O, et al. (2022) Mitochondrial enzyme GPT2 regulates metabolic mechanisms required for neuron growth and motor function in vivo. Human molecular genetics, 31(4), 587.