Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 11, 2025

FVB/N-Tg(GFAPGFP)14Mes/J

RRID:IMSR_JAX:003257 Type: Organism

Proper Citation

RRID:IMSR_JAX:003257

Organism Information

URL: https://www.jax.org/strain/003257

Proper Citation: RRID:IMSR_JAX:003257

Description: Mus musculus with name FVB/N-Tg(GFAPGFP)14Mes/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 14; Albee Messing||glial fibrillary acidic protein|transgene insertion 14; Albee Messing||glial fibrillary acidic protein; coisogenic strain: Tg(GFAPGFP)14Mes||GFAP|Tg(GFAPGFP)14Mes||GFAP

Affected Gene: transgene insertion 14; Albee Messing||glial fibrillary acidic protein|transgene insertion 14; Albee Messing||glial fibrillary acidic protein

Genomic Alteration: transgene insertion 14; Albee Messing

Catalog Number: JAX:003257

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:3257

Organism Name: FVB/N-Tg(GFAPGFP)14Mes/J

Record Creation Time: 20230509T193240+0000

Ratings and Alerts

No rating or validation information has been found for FVB/N-Tg(GFAPGFP)14Mes/J.

No alerts have been found for FVB/N-Tg(GFAPGFP)14Mes/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Pavlou MAS, et al. (2023) Transcriptional and Chromatin Accessibility Profiling of Neural Stem Cells Differentiating into Astrocytes Reveal Dynamic Signatures Affected under Inflammatory Conditions. Cells, 12(6).

Lee JM, et al. (2023) Stitching Flexible Electronics into the Brain. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(16), e2300220.

Amodeo V, et al. (2023) Diet suppresses glioblastoma initiation in mice by maintaining quiescence of mutation-bearing neural stem cells. Developmental cell, 58(10), 836.

Favaloro F, et al. (2022) miR-17?92 exerts stage-specific effects in adult V-SVZ neural stem cell lineages. Cell reports, 41(10), 111773.

Zhou J, et al. (2022) NMDA receptor-dependent prostaglandin-endoperoxide synthase 2 induction in neurons promotes glial proliferation during brain development and injury. Cell reports, 38(13), 110557.

Codeluppi SA, et al. (2021) Chronic Stress Alters Astrocyte Morphology in Mouse Prefrontal Cortex. The international journal of neuropsychopharmacology, 24(10), 842.

Derkach D, et al. (2021) Metformin pretreatment rescues olfactory memory associated with subependymal zone neurogenesis in a juvenile model of cranial irradiation. Cell reports. Medicine, 2(4), 100231.

Cebrian-Silla A, et al. (2021) Single-cell analysis of the ventricular-subventricular zone reveals signatures of dorsal and ventral adult neurogenesis. eLife, 10.

Kwak H, et al. (2020) Astrocytes Control Sensory Acuity via Tonic Inhibition in the Thalamus. Neuron, 108(4), 691.

Zhao X, et al. (2019) Different epidermal growth factor receptor signaling pathways in neurons and astrocytes activated by extracellular matrix after spinal cord injury. Neurochemistry international, 129, 104500.

Pernici CD, et al. (2019) Time course images of cellular injury and recovery in murine brain with high-resolution GRIN lens system. Scientific reports, 9(1), 7946.

Oh SJ, et al. (2019) Ultrasonic Neuromodulation via Astrocytic TRPA1. Current biology : CB, 29(20), 3386.

Li X, et al. (2018) Leptin Increases Expression of 5-HT2B Receptors in Astrocytes Thus Enhancing Action of Fluoxetine on the Depressive Behavior Induced by Sleep Deprivation. Frontiers in psychiatry, 9, 734.

Xia M, et al. (2017) The ameliorative effect of fluoxetine on neuroinflammation induced by sleep deprivation. Journal of neurochemistry.

Valentin-Torres A, et al. (2016) Sustained TNF production by central nervous system infiltrating macrophages promotes progressive autoimmune encephalomyelitis. Journal of neuroinflammation, 13, 46.

Phares TW, et al. (2016) CXCL13 promotes isotype-switched B cell accumulation to the central nervous system during viral encephalomyelitis. Brain, behavior, and immunity, 54, 128.

Hayakawa K, et al. (2016) Transfer of mitochondria from astrocytes to neurons after stroke. Nature, 535(7613), 551.

Zhang X, et al. (2015) Decrease of gene expression of astrocytic 5-HT2B receptors parallels development of depressive phenotype in a mouse model of Parkinson's disease. Frontiers in cellular neuroscience, 9, 388.

Wait E, et al. (2014) Visualization and correction of automated segmentation, tracking and lineaging from 5-D stem cell image sequences. BMC bioinformatics, 15(1), 328.

Schreiner AE, et al. (2013) Lesion-induced alterations in astrocyte glutamate transporter expression and function in the hippocampus. ISRN neurology, 2013, 893605.