Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 16, 2024

STOCK Slc32a1 tm2(cre)Lowl/J

RRID:IMSR_JAX:016962

Type: Organism

Proper Citation

RRID:IMSR_JAX:016962

Organism Information

URL: https://www.jax.org/strain/016962

Proper Citation: RRID:IMSR_JAX:016962

Description: Mus musculus with name STOCK Slc32a1^{tm2(cre)Lowl}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: solute carrier family 32 (GABA vesicular transporter); member 1|;

mutant stock: Slc32a1|

Affected Gene: solute carrier family 32 (GABA vesicular transporter); member 1

Genomic Alteration: targeted mutation 2; Bradford B Lowell

Catalog Number: JAX:016962

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Organism Name: STOCK Slc32a1tm2(cre)Lowl/J

Ratings and Alerts

No rating or validation information has been found for STOCK Slc32a1^{tm2(cre)Lowl}/J.

No alerts have been found for STOCK Slc32a1^{tm2(cre)Lowl}/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 186 mentions in open access literature.

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

Liu M, et al. (2024) Parvalbumin and Somatostatin: Biomarkers for Two Parallel Tectothalamic Pathways in the Auditory Midbrain. The Journal of neuroscience: the official journal of the Society for Neuroscience, 44(10).

Tokizane K, et al. (2024) DMHPpp1r17 neurons regulate aging and lifespan in mice through hypothalamic-adipose inter-tissue communication. Cell metabolism, 36(2), 377.

Martinez de Morentin PB, et al. (2024) A brainstem to hypothalamic arcuate nucleus GABAergic circuit drives feeding. Current biology: CB.

Rankin G, et al. (2024) Nerve injury disrupts temporal processing in the spinal cord dorsal horn through alterations in PV+ interneurons. Cell reports, 43(2), 113718.

Lee YH, et al. (2023) Lateral hypothalamic leptin receptor neurons drive hunger-gated food-seeking and consummatory behaviours in male mice. Nature communications, 14(1), 1486.

Hu Y, et al. (2023) Tfap2b acts in GABAergic neurons to control sleep in mice. Scientific reports, 13(1), 8026.

Wang L, et al. (2023) Cocaine induces locomotor sensitization through a dopamine-dependent VTA-mPFC-FrA cortico-cortical pathway in male mice. Nature communications, 14(1), 1568.

Harvey BJ, et al. (2023) Classifier for the Rapid Simultaneous Determination of Sleep-Wake States and Seizures in Mice. bioRxiv: the preprint server for biology.

Tong Q, et al. (2023) D1 receptor-expressing neurons in ventral tegmental area alleviate mouse anxiety-like behaviors via glutamatergic projection to lateral septum. Molecular psychiatry, 28(2), 625.

Lin Y, et al. (2023) Positive allosteric adenosine A2A receptor modulation suppresses insomnia associated with mania- and schizophrenia-like behaviors in mice. Frontiers in pharmacology, 14, 1138666.

Trotter JH, et al. (2023) A combinatorial code of neurexin-3 alternative splicing controls inhibitory synapses via a trans-synaptic dystroglycan signaling loop. Nature communications,

14(1), 1771.

Zhang TT, et al. (2023) An Anterior Cingulate Cortex-to-Midbrain Projection Controls Chronic Itch in Mice. Neuroscience bulletin, 39(5), 793.

Inaba H, et al. (2023) GPCR-mediated calcium and cAMP signaling determines psychosocial stress susceptibility and resiliency. Science advances, 9(14), eade5397.

Shelton-Gibbs S, et al. (2023) Microglia play beneficial roles in multiple experimental seizure models. bioRxiv: the preprint server for biology.

McIntyre C, et al. (2023) Hypothalamic PVN CRH neurons signal through PVN GABA neurons to suppress GnRH pulse generator frequency in female mice. Endocrinology, 164(6).

Hou B, et al. (2023) KCNQ2 channels regulate the population activity of neonatal GABAergic neurons ex vivo. Frontiers in neurology, 14, 1207539.

Wander CM, et al. (2023) Compensatory remodeling of a septo-hippocampal GABAergic network in the triple transgenic Alzheimer's mouse model. Journal of translational medicine, 21(1), 258.

Takeuchi S, et al. (2023) The circadian clock in the piriform cortex intrinsically tunes daily changes of odor-evoked neural activity. Communications biology, 6(1), 332.

Lai JI, et al. (2023) Nicotine-Mediated Recruitment of GABAergic Neurons to a Dopaminergic Phenotype Attenuates Motor Deficits in an Alpha-Synuclein Parkinson's Model. International journal of molecular sciences, 24(4).

Li Z, et al. (2023) Enhancement and contextual modulation of visuospatial processing by thalamocollicular projections from ventral lateral geniculate nucleus. Nature communications, 14(1), 7278.