Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 2, 2025

B6.FVB(Cg)-Tg(Adora2a-cre)KG139Gsat/Mmucd

RRID:MMRRC_036158-UCD
Type: Organism

Proper Citation

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Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36158

Proper Citation: RRID:MMRRC_036158-UCD

Description: Mus musculus with name B6.FVB(Cg)-Tg(Adora2a-cre)KG139Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: Adora2acre

Catalog Number: 036158-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:14586460

Alternate IDs: MMRRC_36158-UCD, MMRRC_036158, MMRRC_36158

Organism Name: B6.FVB(Cg)-Tg(Adora2a-cre)KG139Gsat/Mmucd

Record Creation Time: 20230308T055144+0000

Record Last Update: 20240105T003010+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB(Cg)-Tg(Adora2a-cre)KG139Gsat/Mmucd.

No alerts have been found for B6.FVB(Cg)-Tg(Adora2a-cre)KG139Gsat/Mmucd.

Data and Source Information

Source: Integrated Animals

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 70 mentions in open access literature.

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

Yonk AJ, et al. (2024) Role of Posterior Medial Thalamus in the Modulation of Striatal Circuitry and Choice Behavior. bioRxiv : the preprint server for biology.

Sniffen SE, et al. (2024) Bidirectional modulation of negative emotional states by parallel genetically-distinct basolateral amygdala pathways to ventral striatum subregions. bioRxiv : the preprint server for biology.

Zachry JE, et al. (2024) D1 and D2 medium spiny neurons in the nucleus accumbens core have distinct and valence-independent roles in learning. Neuron, 112(5), 835.

Deseyve C, et al. (2024) Nucleus accumbens neurons dynamically respond to appetitive and aversive associative learning. Journal of neurochemistry, 168(3), 312.

Lowet AS, et al. (2024) An opponent striatal circuit for distributional reinforcement learning. bioRxiv : the preprint server for biology.

Wen K, et al. (2024) Opposing Motor Memories in the Direct and Indirect Pathways of the Basal Ganglia. bioRxiv : the preprint server for biology.

Wang YZ, et al. (2024) Neuron type-specific proteomics reveals distinct Shank3 proteoforms in iSPNs and dSPNs lead to striatal synaptopathy in Shank3B-/- mice. Molecular psychiatry.

Funahashi Y, et al. (2024) Signal flow in the NMDA receptor-dependent phosphoproteome regulates postsynaptic plasticity for aversive learning. Science signaling, 17(853), eado9852.

Alcacer C, et al. (2024) Abnormal hyperactivity of specific striatal ensembles encodes distinct dyskinetic behaviors revealed by high-resolution clustering. bioRxiv : the preprint server for biology.

Nielsen BE, et al. (2024) Reduced striatal M4-cholinergic signaling following dopamine loss contributes to parkinsonian and l-DOPA-induced dyskinetic behaviors. Science advances, 10(47), eadp6301.

Cui L, et al. (2024) Causal contributions of cell-type-specific circuits in the posterior dorsal striatum to auditory decision-making. Cell reports, 44(1), 115084.

Sitzia G, et al. (2023) Distinct mechanisms of CB1 and GABAB receptor presynaptic modulation of striatal indirect pathway projections to mouse globus pallidus. The Journal of physiology, 601(1), 195.

Cheung THC, et al. (2023) Learning critically drives parkinsonian motor deficits through imbalanced striatal pathway recruitment. Proceedings of the National Academy of Sciences of the United States of America, 120(12), e2213093120.

Petroccione MA, et al. (2023) Neuronal glutamate transporters control reciprocal inhibition and gain modulation in D1 medium spiny neurons. eLife, 12.

Kim HJ, et al. (2023) GABAergic-like dopamine synapses in the brain. Cell reports, 42(10), 113239.

Morris CW, et al. (2023) Spinophilin Limits Metabotropic Glutamate Receptor 5 Scaffolding to the Postsynaptic Density and Cell Type Specifically Mediates Excessive Grooming. Biological psychiatry, 93(11), 976.

Kintscher M, et al. (2023) A striatal circuit balances learned fear in the presence and absence of sensory cues. eLife, 12.

Boxer EE, et al. (2023) Ventral Subiculum Inputs to Nucleus Accumbens Medial Shell Preferentially Innervate D2R Medium Spiny Neurons and Contain Calcium Permeable AMPARs. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(7), 1166.

Unda SR, et al. (2023) Bidirectional Regulation of Motor Circuits Using Magnetogenetic Gene Therapy. bioRxiv : the preprint server for biology.

Klug JR, et al. (2023) Asymmetric cortical projections to striatal direct and indirect pathways distinctly control actions. bioRxiv : the preprint server for biology.