Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 22, 2025

STOCK Tg(Adora2a-cre)KG139Gsat/Mmucd

RRID:MMRRC_031168-UCD
Type: Organism

Proper Citation

RRID:MMRRC_031168-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=31168

Proper Citation: RRID:MMRRC_031168-UCD

Description: Mus musculus with name STOCK 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: |Adora2a|cre

Catalog Number: 031168-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:14586460

Alternate IDs: MMRRC_31168-UCD, MMRRC_031168, MMRRC_31168

Organism Name: STOCK Tg(Adora2a-cre)KG139Gsat/Mmucd

Record Creation Time: 20230308T055122+0000

Record Last Update: 20250419T223920+0000

Ratings and Alerts

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

No alerts have been found for STOCK 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 31 mentions in open access literature.

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

Haetzel LM, et al. (2024) Haploinsufficiency of Syngap1 in Striatal Indirect Pathway Neurons Alters Motor and Goal-Directed Behaviors in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(48).

Kuo HY, et al. (2023) Differential Development of Dendritic Spines in Striatal Projection Neurons of Direct and Indirect Pathways in the Caudoputamen and Nucleus Accumbens. eNeuro, 10(6).

Belilos A, et al. (2023) Nucleus Accumbens Local Circuit for Cue-Dependent Aversive Learning. bioRxiv : the preprint server for biology.

Bertran-Gonzalez J, et al. (2023) Restoring the youthful state of striatal plasticity in aged mice re-enables cognitive control of action. Current biology : CB, 33(10), 1997.

Wang M, et al. (2023) Lateral septum adenosine A2A receptors control stress-induced depressive-like behaviors via signaling to the hypothalamus and habenula. Nature communications, 14(1), 1880.

Yun S, et al. (2023) Antipsychotic drug efficacy correlates with the modulation of D1 rather than D2 receptor-expressing striatal projection neurons. Nature neuroscience, 26(8), 1417.

de la Torre-Martinez R, et al. (2023) Ongoing movement controls sensory integration in the dorsolateral striatum. Nature communications, 14(1), 1004.

Johansson Y, et al. (2023) Sensory processing in external globus pallidus neurons. Cell reports, 42(1), 111952.

Belilos A, et al. (2023) Nucleus accumbens local circuit for cue-dependent aversive learning.

Cell reports, 42(12), 113488.

Rendón-Ochoa EA, et al. (2022) Dopamine D2 and Adenosine A2A Receptors Interaction on Ca2+ Current Modulation in a Rodent Model of Parkinsonism. ASN neuro, 14, 17590914221102075.

Dai KZ, et al. (2022) Dopamine D2 receptors bidirectionally regulate striatal enkephalin expression: Implications for cocaine reward. Cell reports, 40(13), 111440.

Zhong DJ, et al. (2021) Adenosine A2A receptor antagonism protects against hyperoxia-induced retinal vascular loss via cellular proliferation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 35(9), e21842.

Benthall KN, et al. (2021) Loss of Tsc1 from striatal direct pathway neurons impairs endocannabinoid-LTD and enhances motor routine learning. Cell reports, 36(6), 109511.

Cui Q, et al. (2021) Dissociable Roles of Pallidal Neuron Subtypes in Regulating Motor Patterns. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(18), 4036.

Ketzef M, et al. (2021) Differential Synaptic Input to External Globus Pallidus Neuronal Subpopulations In Vivo. Neuron, 109(3), 516.

Veldman MB, et al. (2020) Brainwide Genetic Sparse Cell Labeling to Illuminate the Morphology of Neurons and Glia with Cre-Dependent MORF Mice. Neuron, 108(1), 111.

Kovaleski RF, et al. (2020) Dysregulation of external globus pallidus-subthalamic nucleus network dynamics in parkinsonian mice during cortical slow-wave activity and activation. The Journal of physiology, 598(10), 1897.

Fox ME, et al. (2020) Dendritic spine density is increased on nucleus accumbens D2 neurons after chronic social defeat. Scientific reports, 10(1), 12393.

Li Y, et al. (2020) Striatopallidal adenosine A2A receptors in the nucleus accumbens confer motivational control of goal-directed behavior. Neuropharmacology, 168, 108010.

Kang S, et al. (2020) Activation of Astrocytes in the Dorsomedial Striatum Facilitates Transition From Habitual to Goal-Directed Reward-Seeking Behavior. Biological psychiatry, 88(10), 797.