

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

B6.129P2-Pitx3^{tm1Mli}/Mmjax

RRID:MMRRC_041479-JAX

Type: Organism

Proper Citation

RRID:MMRRC_041479-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=41479

Proper Citation: RRID:MMRRC_041479-JAX

Description: Mus musculus with name B6.129P2-Pitx3^{tm1Mli}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Developmental Biology, Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: increased neuron apoptosis [MP:0003203]| loss of dopaminergic neurons [MP:0003244]| increased neuron number [MP:0008947]

Affected Gene: Pitx3

Catalog Number: 041479-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15016072](#)

Alternate IDs: MMRRC_41479-JAX, MMRRC_041479, MMRRC_41479

Organism Name: B6.129P2-Pitx3^{tm1Mli}/Mmjax

Record Creation Time: 20230308T055218+0000

Record Last Update: 20260808T124231+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-*Pitx3*^{tm1Mli}/Mmjax.

No alerts have been found for B6.129P2-*Pitx3*^{tm1Mli}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Damonte VM, et al. (2025) Kappa opioid receptors control a stress-sensitive brain circuit and drive cocaine seeking. bioRxiv : the preprint server for biology.

Martinez Damonte V, et al. (2025) Kappa Opioid Receptors Control a Stress-Sensitive Brain Circuit and Drive Cocaine Seeking. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(43).

St Laurent R, et al. (2020) Periaqueductal Gray and Rostromedial Tegmental Inhibitory Afferents to VTA Have Distinct Synaptic Plasticity and Opiate Sensitivity. Neuron, 106(4), 624.