

Resource Summary Report

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B6.129S4-Ntrk2^{tm1Rohr}/Mmucd

RRID:MMRRC_000188-UCD

Type: Organism

Proper Citation

RRID:MMRRC_000188-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=188

Proper Citation: RRID:MMRRC_000188-UCD

Description: Mus musculus with name B6.129S4-Ntrk2^{tm1Rohr}/Mmucd from MMRRC.

Species: Mus musculus

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

Phenotype: impaired ovarian folliculogenesis [MP:0001129]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| abnormal optic nerve morphology [MP:0001330]| abnormal eyelid morphology [MP:0001340]| impaired righting response [MP:0001523]| abnormal breathing pattern [MP:0001951]| abnormal vision [MP:0002090]| abnormal pupillary reflex [MP:0002638]| decreased circulating adrenocorticotropin level [MP:0002664]| decreased circulating corticosterone level [MP:0002665]| decreased circulating follicle stimulating hormone level [MP:0002790]| impaired granulosa cell differentiation [MP:0003357]| abnormal rod electrophysiology [MP:0004021]| abnormal circulating corticosterone level [MP:0005345]| decreased amacrine cell number [MP:0008106]| abnormal retinal rod cell outer segment morphology [MP:0008456]| abnormal secondary ovarian follicle morphology [MP:0009363]| abnormal retinal development [MP:0009772]| postnatal lethality [MP:0011085]

Affected Gene: Ntrk2

Catalog Number: 000188-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10516311](#)

Alternate IDs: MMRRC_188-UCD, MMRRC_000188, MMRRC_188

Organism Name: B6.129S4-*Ntrk2*^{tm1Rohr}/Mmucd

Record Creation Time: 20230308T054751+0000

Record Last Update: 20250510T102354+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-*Ntrk2*^{tm1Rohr}/Mmucd.

No alerts have been found for B6.129S4-*Ntrk2*^{tm1Rohr}/Mmucd.

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 [FDI Lab - SciCrunch.org](#).

Andreska T, et al. (2023) DRD1 signaling modulates TrkB turnover and BDNF sensitivity in direct pathway striatal medium spiny neurons. Cell reports, 42(6), 112575.

Deng C, et al. (2021) Dynamic remodeling of ribosomes and endoplasmic reticulum in axon terminals of motoneurons. Journal of cell science, 134(22).

Puehringer D, et al. (2013) EGF transactivation of Trk receptors regulates the migration of newborn cortical neurons. Nature neuroscience, 16(4), 407.