

Resource Summary Report

Generated by [dkNET](#) on Sep 20, 2026

B6.129S2-Pak1^{tm1Cher}/Mmnc

RRID:MMRRC_031838-UNC

Type: Organism

Proper Citation

RRID:MMRRC_031838-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=31838

Proper Citation: RRID:MMRRC_031838-UNC

Description: Mus musculus with name B6.129S2-Pak1^{tm1Cher}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Immunology and Inflammation, Neurobiology, Research Tools, Virology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal mast cell physiology [MP:0002423] decreased mast cell degranulation [MP:0008765]

Affected Gene: Pak1

Catalog Number: 031838-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:19124833](#), [PMID:18768391](#), [PMID:15331659](#)

Alternate IDs: MMRRC_31838-UNC, MMRRC_031838, MMRRC_31838

Organism Name: B6.129S2-Pak1^{tm1Cher}/Mmnc

Record Creation Time: 20230308T055125+0000

Record Last Update: 20260919T133835+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-*Pak1*^{tm1Cher}/Mmnc.

No alerts have been found for B6.129S2-*Pak1*^{tm1Cher}/Mmnc.

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 [dkNET](#).

Wang Y, et al. (2025) PAK1 regulates oligodendroglial proliferation and repopulation in homeostatic and demyelinating brain. Cellular and molecular life sciences : CMLS, 82(1), 260.

Wang Y, et al. (2024) Control of OPC proliferation and repopulation by the intellectual disability gene PAK1 under homeostatic and demyelinating conditions. bioRxiv : the preprint server for biology.

Dufies O, et al. (2021) Escherichia coli Rho GTPase-activating toxin CNF1 mediates NLRP3 inflammasome activation via p21-activated kinases-1/2 during bacteraemia in mice. Nature microbiology, 6(3), 401.