

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

[B6.129-Pten^{tm1Rps}/Nci](#)

RRID:IMSR_NCIMR:01XH3

Type: Organism

Proper Citation

RRID:IMSR_NCIMR:01XH3

Organism Information

URL:

Proper Citation: RRID:IMSR_NCIMR:01XH3

Description: Mus musculus with name B6.129-Pten^{tm1Rps}/Nci from IMSR.

Species: Mus musculus

Notes: gene symbol note: phosphatase and tensin homolog; congenic strain: Pten

Affected Gene: phosphatase and tensin homolog

Genomic Alteration: targeted mutation 1; Ramon Parsons

Catalog Number: NCIMR:01XH3

Database: National Cancer Institute at Frederick

Database Abbreviation: NCIMR

Availability: embryo

Organism Name: B6.129-Pten^{tm1Rps}/Nci

Record Creation Time: 20250513T061851+0000

Record Last Update: 20260815T055307+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Pten^{tm1Rps}/Nci.

No alerts have been found for B6.129-Pten^{tm1Rps}/Nci.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: National Cancer Institute at Frederick

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Xiong X, et al. (2025) DEPTOR suppresses lymphomagenesis by promoting EGFR degradation via HUWE1 E3 ligase. Cell death and differentiation, 32(10), 1820.

Cheung SKK, et al. (2023) Neuropathological signatures revealed by transcriptomic and proteomic analysis in Pten-deficient mouse models. Scientific reports, 13(1), 6763.

Clipperton-Allen AE, et al. (2022) Pten haploinsufficiency causes desynchronized growth of brain areas involved in sensory processing. iScience, 25(2), 103796.

Huang WC, et al. (2016) Hyperconnectivity of prefrontal cortex to amygdala projections in a mouse model of macrocephaly/autism syndrome. Nature communications, 7, 13421.