

Resource Summary Report

Generated by [Kravitz](#) on Sep 15, 2026

[Pten^{tm1Hwu}/Pten^{tm1Hwu}; Cnp^{tm1\(cre\)Kan}/Cnp⁺](#)

RRID:MGI:4836647

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:4836647

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: abnormal oligodendrocyte morphology, increased brain size, megacolon, abnormal corpus callosum morphology, abnormal sciatic nerve morphology, abnormal myelin sheath morphology, premature death, hypermyelination, reduced fertility, abnormal brain white matter morphology, cataract, abnormal Schwann cell morphology, abnormal salivary gland morphology

Affected Gene: Pten, Cnp

Genomic Alteration: tm1Hwu, tm1(cre)Kan

Catalog Number: 4836647

Background: involves: 129S1/Sv * 129S4/SvJae * 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20592216](#)

Organism Name: Pten^{tm1Hwu}/Pten^{tm1Hwu}; Cnp^{tm1(cre)Kan}/Cnp⁺

Record Creation Time: 20240120T190243+0000

Record Last Update: 20240130T201813+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Pten}^{\text{tm1Hwu}}/\text{Pten}^{\text{tm1Hwu}}; \text{Cnp}^{\text{tm1}(\text{cre})\text{Kan}}/\text{Cnp}^+$.

No alerts have been found for $\text{Pten}^{\text{tm1Hwu}}/\text{Pten}^{\text{tm1Hwu}}; \text{Cnp}^{\text{tm1}(\text{cre})\text{Kan}}/\text{Cnp}^+$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.