

# Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

## B6;129P2-Ezh2<sup>tm1Tara</sup>/Mmnc

RRID:MMRRC\_015499-UNC

Type: Organism

### Proper Citation

RRID:MMRRC\_015499-UNC

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=15499](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=15499)

**Proper Citation:** RRID:MMRRC\_015499-UNC

**Description:** Mus musculus with name B6;129P2-Ezh2<sup>tm1Tara</sup>/Mmnc from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: Cancer, Cell Biology, Immunology and Inflammation; Mutation Type: Targeted Mutation ; Collection:

**Phenotype:** small hair follicles [MP:0000380]| epidermal hyperplasia [MP:0001222]| abnormal hair growth [MP:0002073]| abnormal B cell differentiation [MP:0002144]| no abnormal phenotype detected [MP:0002169]| hair follicle degeneration [MP:0003413]| decreased B cell proliferation [MP:0005093]| abnormal pro-B cell morphology [MP:0005432]| decreased germinal center B cell number [MP:0008178]| decreased pre-B cell number [MP:0008209]| decreased immature B cell number [MP:0008215]| decreased spleen germinal center number [MP:0008482]| decreased spleen germinal center size [MP:0008484]| decreased IgG1 level [MP:0008495]| decreased IgG2b level [MP:0008497]| decreased IgG3 level [MP:0008498]| abnormal immunoglobulin V(D)J recombination [MP:0008755]| absent gastric milk in neonates [MP:0009546]| abnormal hair follicle infundibulum morphology [MP:0010682]| abnormal hair follicle outer root sheath morphology [MP:0010684]| neonatal lethality [MP:0011087]

**Affected Gene:** Ezh2

**Catalog Number:** 015499-UNC

**Background:** Targeted Mutation

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

**Database Abbreviation:** MMRRC

**Source References:** [PMID:12496962](#), [PMID:12900441](#), [PMID:15882624](#)

**Alternate IDs:** MMRRC\_15499-UNC, MMRRC\_015499, MMRRC\_15499

**Organism Name:** B6;129P2-*Ezh2*<sup>tm1Tara</sup>/Mmnc

**Record Creation Time:** 20230308T054935+0000

**Record Last Update:** 20260801T123719+0000

---

## Ratings and Alerts

No rating or validation information has been found for B6;129P2-*Ezh2*<sup>tm1Tara</sup>/Mmnc.

No alerts have been found for B6;129P2-*Ezh2*<sup>tm1Tara</sup>/Mmnc.

---

## Data and Source Information

**Source:** [Integrated Animals](#)

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

---

## Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Wang XW, et al. (2024) Histone methyltransferase Ezh2 coordinates mammalian axon regeneration via regulation of key regenerative pathways. The Journal of clinical investigation, 134(3).

Zhang M, et al. (2023) Neuronal Histone Methyltransferase EZH2 Regulates Neuronal Morphogenesis, Synaptic Plasticity, and Cognitive Behavior in Mice. Neuroscience bulletin, 39(10), 1512.

Nie L, et al. (2019) CDK2-mediated site-specific phosphorylation of EZH2 drives and maintains triple-negative breast cancer. Nature communications, 10(1), 5114.

Cheng L, et al. (2018) Ezh2 does not mediate retinal ganglion cell homeostasis or their susceptibility to injury. PloS one, 13(2), e0191853.

Majumder S, et al. (2018) Shifts in podocyte histone H3K27me3 regulate mouse and human glomerular disease. The Journal of clinical investigation, 128(1), 483.

Mathieu M, et al. (2018) Steroidogenic differentiation and PKA signaling are programmed by histone methyltransferase EZH2 in the adrenal cortex. Proceedings of the National Academy of Sciences of the United States of America, 115(52), E12265.

Liu PP, et al. (2017) MiR-203 Interplays with Polycomb Repressive Complexes to Regulate the Proliferation of Neural Stem/Progenitor Cells. Stem cell reports, 9(1), 190.

Yan N, et al. (2016) Postnatal onset of retinal degeneration by loss of embryonic Ezh2 repression of Six1. *Scientific reports*, 6, 33887.