

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

[Opn4^{tm1.1Yau}/Opn4^{tm1.1Yau}](#)

RRID:MGI:5520170

Type: Organism

Proper Citation

RRID:MGI:5520170

Organism Information

URL:

Proper Citation: RRID:MGI:5520170

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

Species: Mus musculus

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

Phenotype: no abnormal phenotype detected

Affected Gene: Opn4

Genomic Alteration: tm1.1Yau

Catalog Number: 5520170

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: Opn4^{tm1.1Yau}/Opn4^{tm1.1Yau}

Record Creation Time: 20240120T190105+0000

Record Last Update: 20240130T201717+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Opn4}^{\text{tm1.1Yau}}/\text{Opn4}^{\text{tm1.1Yau}}$.

No alerts have been found for $\text{Opn4}^{\text{tm1.1Yau}}/\text{Opn4}^{\text{tm1.1Yau}}$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Lin CI, et al. (2019) Blue Light Promotes Neurite Outgrowth of Retinal Explants in Postnatal ChR2 Mice. *eNeuro*, 6(4).

Rupp AC, et al. (2019) Distinct ipRGC subpopulations mediate light's acute and circadian effects on body temperature and sleep. *eLife*, 8.