

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 18, 2026

[Opn4^{tm1Yau}/Opn4^{tm1Yau}; Opn1mw^{tm1\(OPN1LW\)Nat}/Opn1mw^{tm1\(OPN1LW\)Nat}](#)

RRID:MGI:5694632

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:5694632

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

Species: Mus musculus

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

Phenotype: abnormal visual contrast sensitivity

Affected Gene: Opn4, Opn1mw

Genomic Alteration: tm1Yau, tm1(OPN1LW)Nat

Catalog Number: 5694632

Background: involves: 129

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:22633808](#)

Organism Name: Opn4^{tm1Yau}/Opn4^{tm1Yau}; Opn1mw^{tm1(OPN1LW)Nat}/Opn1mw^{tm1(OPN1LW)Nat}

Record Creation Time: 20240120T185934+0000

Record Last Update: 20240130T201620+0000

Ratings and Alerts

No rating or validation information has been found for *Opn4^{tm1Yau}/Opn4^{tm1Yau}; Opn1mw^{tm1(OPN1LW)Nat}/Opn1mw^{tm1(OPN1LW)Nat}*.

No alerts have been found for *Opn4^{tm1Yau}/Opn4^{tm1Yau}; Opn1mw^{tm1(OPN1LW)Nat}/Opn1mw^{tm1(OPN1LW)Nat}*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Allen AE, et al. (2017) Melanopsin Contributions to the Representation of Images in the Early Visual System. *Current biology : CB*, 27(11), 1623.