

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

W-Tg(Thy1-COP4/YFP*)4Jfhy

RRID:RGD_8552315

Type: Organism

Proper Citation

RRID:RGD_8552315

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=8552315>

Proper Citation: RRID:RGD_8552315

Description: Rattus norvegicus with name W-Tg(Thy1-COP4/YFP*)4Jfhy from RGD.

Species: Rattus norvegicus

Notes: The transgenic rats were established by injection of transgene consisting of ChR2 and Venus fused transgene driven by the Thy-1.2 promoter into Wistar rat fertile eggs.
[National BioResource Project for the Rat in Japan](#)

Catalog Number: 8552315

Background: transgenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm

Alternate IDs: 8552315

Organism Name: W-Tg(Thy1-COP4/YFP*)4Jfhy

Record Creation Time: 20230509T191945+0000

Record Last Update: 20260829T184945+0000

Ratings and Alerts

No rating or validation information has been found for W-Tg(Thy1-COP4/YFP*)4Jfhy.

No alerts have been found for W-Tg(Thy1-COP4/YFP*)4Jfhy.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Tashima R, et al. (2018) Optogenetic Activation of Non-Nociceptive A?? Fibers Induces Neuropathic Pain-Like Sensory and Emotional Behaviors after Nerve Injury in Rats. eNeuro, 5(1).