

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

[w\[*\]; TI{w\[+mW.hs\]=TI}TrpA1\[1\] P{y\[+t7.7\]
w\[+mC\]=UAS-TrpA1-A.Kadowaki}attP2](#)

RRID:BDSC_61504

Type: Organism

Proper Citation

RRID:BDSC_61504

Organism Information

URL: <https://n2t.net/bdsc:61504>

Proper Citation: RRID:BDSC_61504

Description: Drosophila melanogaster with name w[*]; TI{w[+mW.hs]=TI}TrpA1[1] P{y[+t7.7] w[+mC]=UAS-TrpA1-A.Kadowaki}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: y[1] may be present. Donor: Tatsuhiko Kadowaki, Xi'an Jiaotong-Liverpool University

Affected Gene: TrpA1, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 61504

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_61504, BL61504

Organism Name: w[*]; TI{w[+mW.hs]=TI}TrpA1[1] P{y[+t7.7] w[+mC]=UAS-TrpA1-A.Kadowaki}attP2

Record Creation Time: 20240911T222932+0000

Record Last Update: 20260725T195740+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; TI{w[+mW.hs]=TI}TrpA1[1] P{y[+t7.7] w[+mC]=UAS-TrpA1-A.Kadowaki}attP2.

No alerts have been found for w[*]; TI{w[+mW.hs]=TI}TrpA1[1] P{y[+t7.7] w[+mC]=UAS-TrpA1-A.Kadowaki}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Gong J, et al. (2023) TrpA1 is a shear stress mechanosensing channel regulating intestinal stem cell proliferation in Drosophila. Science advances, 9(21), eadc9660.

Gu P, et al. (2022) Nociception and hypersensitivity involve distinct neurons and molecular transducers in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 119(12), e2113645119.

Xu C, et al. (2017) Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca²⁺ signaling in the Drosophila midgut. eLife, 6.