

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

[w\[*\]; P{w\[+mC\]=UAS-Rab5.S43N}2](#)

RRID:BDSC_42703

Type: Organism

Proper Citation

RRID:BDSC_42703

Organism Information

URL: <https://n2t.net/bdsc:42703>

Proper Citation: RRID:BDSC_42703

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-Rab5.S43N}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Hugo J. Bellen, Baylor College of Medicine; Donor's Source: Marcos Gonzalez-Gaitan, University of Geneve

Affected Gene: Rab5, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 42703

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_42703, BDSC:42703, BL42703

Organism Name: w[*]; P{w[+mC]=UAS-Rab5.S43N}2

Record Creation Time: 20240911T222706+0000

Record Last Update: 20260905T140534+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-Rab5.S43N}2.

No alerts have been found for w[*]; P{w[+mC]=UAS-Rab5.S43N}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Huang YT, et al. (2025) Activation of a Src-JNK pathway in unscheduled endocycling cells of the Drosophila wing disc induces a chronic wounding response. bioRxiv : the preprint server for biology.

Montemurro M, et al. (2025) The mechanical state of pre-tumoral epithelia controls subsequent Drosophila tumor aggressiveness. Developmental cell, 60(7), 1036.

Rasouliha SH, et al. (2025) Shaping and interpretation of Dpp morphogen gradient by endocytic trafficking. PLoS genetics, 21(7), e1011766.

Dong KX, et al. (2025) Endosome-associated Rab GTPases control distinct aspects of neural circuit assembly. bioRxiv : the preprint server for biology.

Lattao R, et al. (2021) Mauve/LYST limits fusion of lysosome-related organelles and promotes centrosomal recruitment of microtubule nucleating proteins. Developmental cell, 56(7), 1000.

Walsh RB, et al. (2021) Opposing functions for retromer and Rab11 in extracellular vesicle traffic at presynaptic terminals. The Journal of cell biology, 220(8).

Juarez-Carretero S, et al. (2021) Body-fat sensor triggers ribosome maturation in the steroidogenic gland to initiate sexual maturation in Drosophila. Cell reports, 37(2), 109830.

Weiss S, et al. (2019) Glial Ca²⁺-signaling links endocytosis to K⁺ buffering around neuronal somas to regulate excitability. eLife, 8.

Wang S, et al. (2019) Higher-order assembly of Sorting Nexin 16 controls tubulation and distribution of neuronal endosomes. The Journal of cell biology, 218(8), 2600.

Warrington SJ, et al. (2017) A Dual Function for Prickle in Regulating Frizzled Stability during Feedback-Dependent Amplification of Planar Polarity. Current biology : CB, 27(18), 2784.