

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=UASp-YFP.Rab5}02](#)

RRID:BDSC_24616

Type: Organism

Proper Citation

RRID:BDSC_24616

Organism Information

URL: <https://n2t.net/bdsc:24616>

Proper Citation: RRID:BDSC_24616

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=UASp-YFP.Rab5}02 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Hugo J. Bellen, Baylor College of Medicine; Donor's Source: Matthew Scott, Stanford University

Affected Gene: Rab5, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 24616

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_24616, BDSC:24616, BL24616

Organism Name: y[1] w[*]; P{w[+mC]=UASp-YFP.Rab5}02

Record Creation Time: 20240911T222419+0000

Record Last Update: 20260912T203429+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=UASp-YFP.Rab5}02.

No alerts have been found for y[1] w[*]; P{w[+mC]=UASp-YFP.Rab5}02.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Janz M, et al. (2026) Endosomal maturation is controlled by the trimeric Bulli-Mon1-Ccz1 Rab7 GEF complex and the Rab5 GTPase-activating protein GAPsec. *Journal of cell science*, 139(9).

Zhu JY, et al. (2025) HIV-1 Nef synergizes with APOL1-G1 to induce nephrocyte cell death in HIV-related kidney diseases. *Disease models & mechanisms*, 18(7).

Tsao WC, et al. (2025) Splicing factor Sf3b1 facilitates maintenance of neuronal dendrites by modulating mitochondrial health. *Cellular and molecular life sciences : CMLS*, 82(1), 347.

Dong P, et al. (2025) Fat body-derived cytokine Upd2 controls disciplined migration of tracheal stem cells in *Drosophila*. *eLife*, 13.

Zhang P, et al. (2024) Inhibition of S6K lowers age-related inflammation and increases lifespan through the endolysosomal system. *Nature aging*, 4(4), 491.

Yu Y, et al. (2024) Endolysosomal trafficking controls yolk granule biogenesis in vitellogenic *Drosophila* oocytes. *PLoS genetics*, 20(2), e1011152.

Zhu JY, et al. (2023) APOL1-G2 accelerates nephrocyte cell death by inhibiting the autophagy pathway. *Disease models & mechanisms*, 16(12).

Nakayama M, et al. (2023) Control of Synaptic Levels of Nicotinic Acetylcholine Receptor by the Sequestering Subunit D γ 5 and Secreted Scaffold Protein Hig. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(22), 3989.

Miao H, et al. (2023) A Rab39-Klp98A-Rab35 endocytic recycling pathway is essential for rapid Golgi-dependent furrow ingression. *Development (Cambridge, England)*, 150(16).

Mitchell JW, et al. (2023) Coordination of Pickpocket ion channel delivery and dendrite growth in *Drosophila* sensory neurons. *PLoS genetics*, 19(11), e1011025.

- Miao G, et al. (2022) Border cell polarity and collective migration require the spliceosome component Cactin. *The Journal of cell biology*, 221(7).
- Butsch TJ, et al. (2022) A meiotic switch in lysosome activity supports spermatocyte development in young flies but collapses with age. *iScience*, 25(6), 104382.
- Lo Iacono M, et al. (2021) Genetic Screening for Potential New Targets in Chronic Myeloid Leukemia Based on Drosophila Transgenic for Human BCR-ABL1. *Cancers*, 13(2).
- Juarez-Carreño 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.
- Wen P, et al. (2020) Exocyst Genes Are Essential for Recycling Membrane Proteins and Maintaining Slit Diaphragm in Drosophila Nephrocytes. *Journal of the American Society of Nephrology : JASN*, 31(5), 1024.
- Linnemannstöns K, et al. (2020) Ykt6-dependent endosomal recycling is required for Wnt secretion in the Drosophila wing epithelium. *Development (Cambridge, England)*, 147(15).
- Guan Z, et al. (2020) Drosophila Synaptotagmin 7 negatively regulates synaptic vesicle release and replenishment in a dosage-dependent manner. *eLife*, 9.
- Johnson DM, et al. (2019) Role of tbc1 in Drosophila embryonic salivary glands. *BMC molecular and cell biology*, 20(1), 19.
- Jiang N, et al. (2019) A conserved morphogenetic mechanism for epidermal ensheathment of nociceptive sensory neurites. *eLife*, 8.
- Miao H, et al. (2019) Cell ratcheting through the Sbf RabGEF directs force balancing and stepped apical constriction. *The Journal of cell biology*, 218(11), 3845.