

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 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, BL24616

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

Record Creation Time: 20240911T222419+0000

Record Last Update: 20260725T195124+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 23 mentions in open access literature.

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

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).

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

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.

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

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

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.

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

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.

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.

- Miao G, et al. (2022) Border cell polarity and collective migration require the spliceosome component Cactin. *The Journal of cell biology*, 221(7).
- 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.
- Huang Y, et al. (2018) The glycosphingolipid MacCer promotes synaptic bouton formation in Drosophila by interacting with Wnt. *eLife*, 7.