

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

w[*]; P{w[+mC]=UAS-Rab4-mRFP}2

RRID:BDSC_8505

Type: Organism

Proper Citation

RRID:BDSC_8505

Organism Information

URL: <https://n2t.net/bdsc:8505>

Proper Citation: RRID:BDSC_8505

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-Rab4-mRFP}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Henry Chang, Yale University School of Medicine

Affected Gene: Rab4, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 8505

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8505, BL8505

Organism Name: w[*]; P{w[+mC]=UAS-Rab4-mRFP}2

Record Creation Time: 20240911T222217+0000

Record Last Update: 20260815T191309+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-Rab4-mRFP}2.

No alerts have been found for w[*]; P{w[+mC]=UAS-Rab4-mRFP}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Singh K, et al. (2026) Phosphatidylinositol-3-phosphate-dependent Klp98A recruitment regulates endosomal flux underlying developmental synaptic remodeling via Rab4. *Journal of cell science*, 139(6).

Thyagarajan P, et al. (2025) Endocytosis of Wnt ligands from surrounding epithelial cells positions microtubule nucleation sites at dendrite branch points. *PLoS biology*, 23(1), e3002973.

Li Y, et al. (2023) Drosophila transmembrane protein 214 (dTMEM214) regulates midgut glucose uptake and systemic glucose homeostasis. *Developmental biology*, 495, 92.

Lambert E, et al. (2022) The Alzheimer susceptibility gene BIN1 induces isoform-dependent neurotoxicity through early endosome defects. *Acta neuropathologica communications*, 10(1), 4.

White JA, et al. (2020) Excess Rab4 rescues synaptic and behavioral dysfunction caused by defective HTT-Rab4 axonal transport in Huntington's disease. *Acta neuropathologica communications*, 8(1), 97.

Weiner AT, et al. (2020) Endosomal Wnt signaling proteins control microtubule nucleation in dendrites. *PLoS biology*, 18(3), e3000647.

Leventis PA, et al. (2011) Liquid facets-related (lqfR) is required for egg chamber morphogenesis during Drosophila oogenesis. *PloS one*, 6(10), e25466.