

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

P{w[+mW.hs]=GawB}OK6

RRID:BDSC_64199

Type: Organism

Proper Citation

RRID:BDSC_64199

Organism Information

URL: <https://n2t.net/bdsc:64199>

Proper Citation: RRID:BDSC_64199

Description: Drosophila melanogaster with name P{w[+mW.hs]=GawB}OK6 from BDSC.

Species: Drosophila melanogaster

Notes: May be in w mutant background. Donor: Hugo J. Bellen, Baylor College of Medicine; Donor's Source: Gregory T. Macleod, Florida Atlantic University

Affected Gene: GAL4, RapGAP1

Genomic Alteration: Chromosome 2

Catalog Number: 64199

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_64199, BL64199

Organism Name: P{w[+mW.hs]=GawB}OK6

Record Creation Time: 20240911T222958+0000

Record Last Update: 20260829T190617+0000

Ratings and Alerts

No rating or validation information has been found for P{w[+mW.hs]=GawB}OK6.

No alerts have been found for P{w[+mW.hs]=GawB}OK6.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Mallik B, et al. (2026) An ArfGAP-dependent signaling modulates synaptic plasticity via IP3-regulated calcium release from the endoplasmic reticulum. PLoS genetics, 22(1), e1012031.

Bansal H, et al. (2026) Motor Protein Disruption Critically Alters Organelle Trafficking and Excitation-Contraction Coupling. eNeuro, 13(4).

Chakraborty A, et al. (2026) Fructose-2,6-bisphosphate restores TDP-43 pathology-driven genome repair deficiency in motor neuron diseases. Communications biology, 9(1).

Mace K, et al. (2026) Cross-species evidence for a developmental origin of adult hypersomnia with loss of synaptic adhesion molecules beat-1a/CADM2. Nature communications, 17(1), 1628.

Okamoto N, et al. (2026) Neuroendocrine control of calcium mobilization in the fruit fly. Nature, 649(8095), 122.

Ogienko AA, et al. (2025) Expression Pattern of the AB1-Gal4 Driver in Drosophila Third-Instar Larvae. International journal of molecular sciences, 26(9).

Petzoldt AG, et al. (2025) Myosin 15 participates in assembly and remodeling of the presynapse. The Journal of cell biology, 224(9).

Aghi K, et al. (2025) Balanced synapse-to-synapse short-term plasticity ensures constant transmitter release. Current biology : CB, 35(12), 2881.

Richhariya S, et al. (2025) Metabolic rewiring prevents neurodegeneration caused by chronic mitochondrial dysfunction. Current biology : CB, 35(22), 5443.

Bakshinska D, et al. (2025) Synapse-specific catecholaminergic modulation of neuronal glutamate release. Proceedings of the National Academy of Sciences of the United States of America, 122(1), e2420496121.

Bansal H, et al. (2025) Motor protein disruption critically alters organelle trafficking, NMJ formation, and excitation contraction coupling. bioRxiv : the preprint server for biology.

Thakur RS, et al. (2025) PDZD8 promotes autophagy at ER-lysosome membrane contact sites to regulate activity-dependent synaptic growth. *Cell reports*, 44(4), 115483.

Lu W, et al. (2025) 'Mitotic' kinesin-5 is a dynamic brake for axonal growth in *Drosophila*. *Development (Cambridge, England)*, 152(9).

Hoagland A, et al. (2025) Behavioral resilience via dynamic circuit firing homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, 122(18), e2421386122.

Perry S, et al. (2025) Validating and Optimizing a *Drosophila* Larval Model of Parkinson's Synucleopathy. *microPublication biology*, 2025.

Long K, et al. (2025) Live Cell Imaging to Monitor Axonal Pruning in *Drosophila* Motor Neurons. *Bio-protocol*, 15(13), e5367.

L??tzkendorf J, et al. (2025) Blobby is a synaptic active zone assembly protein required for memory in *Drosophila*. *Nature communications*, 16(1), 271.

Banerjee S, et al. (2024) Trio preserves motor synapses and prolongs motor ability during aging. *Cell reports*, 43(6), 114256.

Lee D, et al. (2024) Diabetic sensory neuropathy and insulin resistance are induced by loss of UCHL1 in *Drosophila*. *Nature communications*, 15(1), 468.

Gao Z, et al. (2024) Patronin regulates presynaptic microtubule organization and neuromuscular junction development in *Drosophila*. *iScience*, 27(2), 108944.