

Resource Summary Report

Generated by [dkNET](#) on Sep 15, 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, BDSC:64199, BL64199

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

Record Creation Time: 20240911T222958+0000

Record Last Update: 20260912T204201+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 [dkNET](#) .

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.

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).

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

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.