

# Resource Summary Report

Generated by [NIF](#) on Sep 6, 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:** 20260905T140938+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.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## 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-Ia/CADM2. Nature communications, 17(1), 1628.

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

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

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).

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.

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.

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

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.

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

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

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

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

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

Lewis SA, et al. (2024) eIF2 $\gamma$  phosphorylation evokes dystonia-like movements with D2-receptor and cholinergic origin and abnormal neuronal connectivity. *bioRxiv : the preprint server for biology*.