

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

[y\[1\] w\[1118\]; P{w\[+mC\]=UAS-Akt.Exel}2](#)

RRID:BDSC_8191

Type: Organism

Proper Citation

RRID:BDSC_8191

Organism Information

URL: <https://n2t.net/bdsc:8191>

Proper Citation: RRID:BDSC_8191

Description: Drosophila melanogaster with name y[1] w[1118]; P{w[+mC]=UAS-Akt.Exel}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Exelixis, Inc.

Affected Gene: Akt, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 8191

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8191, BL8191

Organism Name: y[1] w[1118]; P{w[+mC]=UAS-Akt.Exel}2

Record Creation Time: 20240911T222214+0000

Record Last Update: 20260801T194646+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[1118]; P{w[+mC]=UAS-Akt.Exel}2.

No alerts have been found for y[1] w[1118]; P{w[+mC]=UAS-Akt.Exel}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Ranxhi B, et al. (2025) The effect of AKT inhibition in α -synuclein-dependent neurodegeneration. *Frontiers in molecular neuroscience*, 18, 1524044.

Costa-Rodrigues C, et al. (2025) Dietary Interventions Modulate Cell Competition and Locomotor Decline in an Alzheimer's Disease Drosophila Model. *Cells*, 14(24).

Kim CJ, et al. (2025) Drosophila miR-263b-5p controls wing developmental growth by targeting Akt. *Animal cells and systems*, 29(1), 35.

Katz MJ, et al. (2025) Autophagy controls differentiation of Drosophila blood cells by regulating Notch levels in response to nutrient availability. *Nature communications*, 16(1), 5858.

Lane AR, et al. (2025) Adaptive protein synthesis in genetic models of copper deficiency and childhood neurodegeneration. *Molecular biology of the cell*, 36(3), ar33.

Datta I, et al. (2024) Senescent cells and macrophages cooperate through a multi-kinase signaling network to promote intestinal transformation in Drosophila. *Developmental cell*, 59(5), 566.

Lane AR, et al. (2024) Adaptive protein synthesis in genetic models of copper deficiency and childhood neurodegeneration. *bioRxiv : the preprint server for biology*.

Bakopoulos D, et al. (2023) Convergent insulin and TGF- β signalling drives cancer cachexia by promoting aberrant fat body ECM accumulation in a Drosophila tumour model. *EMBO reports*, 24(12), e57695.

Li Y, et al. (2022) Metabolic control of progenitor cell propagation during Drosophila tracheal remodeling. *Nature communications*, 13(1), 2817.

Greenspan LJ, et al. (2022) Activation of the EGFR/MAPK pathway drives transdifferentiation of quiescent niche cells to stem cells in the Drosophila testis niche. *eLife*, 11.

Sujkowski A, et al. (2021) Exercise and Sestrin Mediate Speed and Lysosomal Activity in *Drosophila* by Partially Overlapping Mechanisms. *Cells*, 10(9).

Li S, et al. (2020) Quality-control mechanisms targeting translationally stalled and C-terminally extended poly(GR) associated with ALS/FTD. *Proceedings of the National Academy of Sciences of the United States of America*, 117(40), 25104.

Kim M, et al. (2020) Sestrins are evolutionarily conserved mediators of exercise benefits. *Nature communications*, 11(1), 190.

Kaur H, et al. (2019) Lar maintains the homeostasis of the hematopoietic organ in *Drosophila* by regulating insulin signaling in the niche. *Development (Cambridge, England)*, 146(24).

Sharma A, et al. (2018) Insulin signaling modulates border cell movement in *Drosophila* oogenesis. *Development (Cambridge, England)*, 145(14).