

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=UAS-Akh.L}2](#)

RRID:BDSC_27343

Type: Organism

Proper Citation

RRID:BDSC_27343

Organism Information

URL: <https://n2t.net/bdsc:27343>

Proper Citation: RRID:BDSC_27343

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

Species: Drosophila melanogaster

Notes: Donor: Jae Park, University of Tennessee, Knoxville

Affected Gene: Akh, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 27343

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27343, BL27343

Organism Name: y[1] w[*]; P{w[+mC]=UAS-Akh.L}2

Record Creation Time: 20240911T222444+0000

Record Last Update: 20260808T194639+0000

Ratings and Alerts

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

No alerts have been found for y[1] w[*]; P{w[+mC]=UAS-Akh.L}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 [SPARC SAWG](#) .

Ding G, et al. (2025) A tumor-secreted protein utilizes glucagon release to cause host wasting. *Cell discovery*, 11(1), 11.

Curley M, et al. (2024) Transgenic sensors reveal compartment-specific effects of aggregation-prone proteins on subcellular proteostasis during aging. *Cell reports methods*, 4(10), 100875.

Li J, et al. (2023) Peroxisomal ERK mediates Akh/glucagon action and glycemic control. *Cell reports*, 42(10), 113200.

Kubrak O, et al. (2022) The gut hormone Allatostatin C/Somatostatin regulates food intake and metabolic homeostasis under nutrient stress. *Nature communications*, 13(1), 692.

Rai M, et al. (2021) Proteasome stress in skeletal muscle mounts a long-range protective response that delays retinal and brain aging. *Cell metabolism*, 33(6), 1137.

He Q, et al. (2020) AKH-FOXO pathway regulates starvation-induced sleep loss through remodeling of the small ventral lateral neuron dorsal projections. *PLoS genetics*, 16(10), e1009181.

Hentze JL, et al. (2015) The Neuropeptide Allatostatin A Regulates Metabolism and Feeding Decisions in Drosophila. *Scientific reports*, 5, 11680.