

Resource Summary Report

Generated by [Kravitz](#) on Sep 13, 2026

[w\[1118\]; P{w\[+mC\]=UAS-AMPKalpha.K57A}2](#)

RRID:BDSC_32112

Type: Organism

Proper Citation

RRID:BDSC_32112

Organism Information

URL: <https://n2t.net/bdsc:32112>

Proper Citation: RRID:BDSC_32112

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=UAS-AMPKalpha.K57A}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Jay Brenman, University of North Carolina, Chapel Hill

Affected Gene: AMPKalpha, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 32112

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_32112, BDSC:32112, BL32112

Organism Name: w[1118]; P{w[+mC]=UAS-AMPKalpha.K57A}2

Record Creation Time: 20240911T222530+0000

Record Last Update: 20260912T203609+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=UAS-AMPKalpha.K57A}2.

No alerts have been found for w[1118]; P{w[+mC]=UAS-AMPKalpha.K57A}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Long J, et al. (2026) Functional characterization of a human epilepsy-associated gene network reveals metabolic regulation as a critical factor underlying seizure susceptibilities. *Disease models & mechanisms*, 19(1).

Wu SC, et al. (2025) Dysfunctional BCAA degradation triggers neuronal damage through disrupted AMPK-mitochondrial axis due to enhanced PP2Ac interaction. *Communications biology*, 8(1), 105.

Zhang Y, et al. (2025) Restoring calcium crosstalk between ER and mitochondria promotes intestinal stem cell rejuvenation through autophagy in aged Drosophila. *Nature communications*, 16(1), 4909.

Pasam ES, et al. (2025) Dissecting Metabolic Control of Behaviors and Physiology During Aging in Drosophila. *Research square*.

Pasam ES, et al. (2025) Dissecting metabolic regulation of behaviors and physiology during aging in Drosophila. *Biogerontology*, 26(5), 165.

Li Y, et al. (2024) Microglial lipid droplet accumulation in tauopathy brain is regulated by neuronal AMPK. *Cell metabolism*, 36(6), 1351.

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

Liu J, et al. (2021) AMPK signaling mediates synphilin-1-induced hyperphagia and obesity in Drosophila. *Journal of cell science*, 134(3).

Ulgherait M, et al. (2021) Circadian autophagy drives iTRF-mediated longevity. *Nature*, 598(7880), 353.

Huang R, et al. (2020) High-fat diet enhances starvation-induced hyperactivity via sensitizing hunger-sensing neurons in Drosophila. *eLife*, 9.