

Resource Summary Report

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w[*]; P{w[+mC]=UAS-Rheb.Pa}2

RRID:BDSC_9688

Type: Organism

Proper Citation

RRID:BDSC_9688

Organism Information

URL: <https://n2t.net/bdsc:9688>

Proper Citation: RRID:BDSC_9688

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-Rheb.Pa}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Parthive Patel, University of California, Los Angeles

Affected Gene: Rheb, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 9688

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_9688, BL9688

Organism Name: w[*]; P{w[+mC]=UAS-Rheb.Pa}2

Record Creation Time: 20240911T222227+0000

Record Last Update: 20260801T194706+0000

Ratings and Alerts

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

No alerts have been found for $w[*]$; $P\{w[+mC]=UAS-Rheb.Pa\}2$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

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.

Taoka H, et al. (2025) Transcriptional dynamics uncover the role of BNIP3 in mitophagy during muscle remodeling in Drosophila. *eLife*, 14.

Liu M, et al. (2024) Dietary cysteine and methionine promote peroxisome elevation and fat loss by induction of CG33474 expression in Drosophila adipose tissue. *Cellular and molecular life sciences : CMLS*, 81(1), 190.

Spitz D, et al. (2022) mTOR-Dependent Autophagy Regulates Slit Diaphragm Density in Podocyte-like Drosophila Nephrocytes. *Cells*, 11(13).

Valko A, et al. (2022) Adaptation to hypoxia in Drosophila melanogaster requires autophagy. *Autophagy*, 18(4), 909.

Deliu LP, et al. (2022) Serotonergic neuron ribosomal proteins regulate the neuroendocrine control of Drosophila development. *PLoS genetics*, 18(9), e1010371.

Cho JH, et al. (2021) Deubiquitinase OTUD5 is a positive regulator of mTORC1 and mTORC2 signaling pathways. *Cell death and differentiation*, 28(3), 900.

Millington JW, et al. (2021) Female-biased upregulation of insulin pathway activity mediates the sex difference in Drosophila body size plasticity. *eLife*, 10.

Yang G, et al. (2021) Dissecting the biology of mTORC1 beyond rapamycin. *Science signaling*, 14(701), eabe0161.

Joy J, et al. (2021) Proteostasis failure and mitochondrial dysfunction leads to aneuploidy-induced senescence. *Developmental cell*, 56(14), 2043.

Recasens-Alvarez C, et al. (2021) Ribosomopathy-associated mutations cause proteotoxic stress that is alleviated by TOR inhibition. *Nature cell biology*, 23(2), 127.

Juarez-Carreño S, et al. (2021) Body-fat sensor triggers ribosome maturation in the steroidogenic gland to initiate sexual maturation in Drosophila. *Cell reports*, 37(2), 109830.

Liu Y, et al. (2020) Systematic Screen for Drosophila Transcriptional Regulators Phosphorylated in Response to Insulin/mTOR Pathway. *G3* (Bethesda, Md.), 10(8), 2843.

Rust K, et al. (2020) A single-cell atlas and lineage analysis of the adult Drosophila ovary. *Nature communications*, 11(1), 5628.

Chang K, et al. (2020) TGFB-INHB/activin signaling regulates age-dependent autophagy and cardiac health through inhibition of MTORC2. *Autophagy*, 16(10), 1807.

Redhai S, et al. (2020) An intestinal zinc sensor regulates food intake and developmental growth. *Nature*, 580(7802), 263.

Rojas Villa SE, et al. (2019) zfh2 controls progenitor cell activation and differentiation in the adult Drosophila intestinal absorptive lineage. *PLoS genetics*, 15(12), e1008553.

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).

Kwon YV, et al. (2019) The role of translationally controlled tumor protein in proliferation of Drosophila intestinal stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, 116(52), 26591.

Wen JK, et al. (2017) Atg9 antagonizes TOR signaling to regulate intestinal cell growth and epithelial homeostasis in Drosophila. *eLife*, 6.