Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005

RRID:BDSC_52869
Type: Organism

Proper Citation

RRID:BDSC_52869

Organism Information

URL: https://n2t.net/bdsc:52869

Proper Citation: RRID:BDSC_52869

Description: Drosophila melanogaster with name w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Douglas Kim, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GCaMP6f, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 52869

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC:52869, BL52869

Organism Name: w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005

Record Creation Time: 20240911T222809+0000

Record Last Update: 20250331T212753+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005.

No alerts have been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Donovan EJ, et al. (2024) Dendrite architecture determines mitochondrial distribution patterns in vivo. Cell reports, 43(5), 114190.

Christenson MP, et al. (2024) Hue selectivity from recurrent circuitry in Drosophila. Nature neuroscience, 27(6), 1137.

Frighetto G, et al. (2023) Columnar neurons support saccadic bar tracking in Drosophila. eLife, 12.

Rozenfeld E, et al. (2023) Homeostatic synaptic plasticity rescues neural coding reliability. Nature communications, 14(1), 2993.

Hancock CE, et al. (2022) Visualization of learning-induced synaptic plasticity in output neurons of the Drosophila mushroom body ?-lobe. Scientific reports, 12(1), 10421.

Hobin M, et al. (2022) The Drosophila microRNA bantam regulates excitability in adult mushroom body output neurons to promote early night sleep. iScience, 25(9), 104874.

Manoim JE, et al. (2022) Lateral axonal modulation is required for stimulus-specific olfactory conditioning in Drosophila. Current biology : CB, 32(20), 4438.

Chen N, et al. (2022) Local translation provides the asymmetric distribution of CaMKII required for associative memory formation. Current biology : CB, 32(12), 2730.

McDowell SAT, et al. (2022) A molecular mechanism for high salt taste in Drosophila. Current biology : CB, 32(14), 3070.

Israel S, et al. (2022) Olfactory stimuli and moonwalker SEZ neurons can drive backward locomotion in Drosophila. Current biology : CB, 32(5), 1131.

Oh Y, et al. (2021) Periphery signals generated by Piezo-mediated stomach stretch and Neuromedin-mediated glucose load regulate the Drosophila brain nutrient sensor. Neuron, 109(12), 1979.

Stanley M, et al. (2021) Mechanisms of lactic acid gustatory attraction in Drosophila. Current biology : CB, 31(16), 3525.

Amin H, et al. (2020) Localized inhibition in the Drosophila mushroom body. eLife, 9.

Fernandez MP, et al. (2020) Sites of Circadian Clock Neuron Plasticity Mediate Sensory Integration and Entrainment. Current biology : CB, 30(12), 2225.

Hsu IU, et al. (2020) Dstac Regulates Excitation-Contraction Coupling in Drosophila Body Wall Muscles. Frontiers in physiology, 11, 573723.

Morimoto MM, et al. (2020) Spatial readout of visual looming in the central brain of Drosophila. eLife, 9.

Heath SL, et al. (2020) Circuit Mechanisms Underlying Chromatic Encoding in Drosophila Photoreceptors. Current biology : CB, 30(2), 264.

Ponte S, et al. (2020) Drp1-mediated mitochondrial fission regulates calcium and F-actin dynamics during wound healing. Biology open, 9(5).

Mohamed AAM, et al. (2019) Third-Order Neurons in the Lateral Horn Enhance Bilateral Contrast of Odor Inputs Through Contralateral Inhibition in Drosophila. Frontiers in physiology, 10, 851.

Green J, et al. (2019) A neural heading estimate is compared with an internal goal to guide oriented navigation. Nature neuroscience, 22(9), 1460.