Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

PDF C7 antibody, deposited by Blau, Justin Biology, New York University

RRID:AB_760350
Type: Antibody

Proper Citation

(DSHB Cat# PDF C7, RRID:AB_760350)

Antibody Information

URL: http://antibodyregistry.org/AB_760350

Proper Citation: (DSHB Cat# PDF C7, RRID:AB_760350)

Target Antigen: Pigment-dispersing factor neuropeptide

Host Organism: mouse

Clonality: monoclonal

Comments: Blau, Justin, Pigment-dispersing factor neuropeptide, Drosophila, MIgG2b, kappa light chain, Drosophila/Cockroach/Cabbage root fly, Pdf, Dmel\CG6496; Drm-pdf; Drm-PDF; PAP; cPDH; PDH, monoclonal, Drosophila antigens/Neurodevelopment/Cell markers/Cell signaling, Immunohistochemistry/Immunofluorescence epitope mapped: Yes; Predicted: PDF, 2kDa; PDF precursor, 11.5kDa amidated pigment dispersing factor neuropeptide
Consolidation on 6/2023: AB_2315084

Antibody Name: PDF C7 antibody, deposited by Blau, Justin Biology, New York University

Description: This monoclonal targets Pigment-dispersing factor neuropeptide

Target Organism: drosophila

Defining Citation:

PMID:25268747, PMID:25151265, PMID:22848525, PMID:21525293, PMID:23010660, PMID:21750685, PMID:22327476, PMID:27106579, PMID:22305007, PMID:27143646, PMID:21781960, PMID:24574361, PMID:23889933, PMID:22095637, PMID:23974869, PMID:22018542, PMID:24367668, PMID:24385933, PMID:22879814, PMID:24643294, PMID:24068350, PMID:24820422, PMID:21632940, PMID:25220056, PMID:25951229, PMID:22736465, PMID:21229364, PMID:24766812, PMID:15930393, PMID:25031396, PMID:24043822, PMID:22653887

Antibody ID: AB_760350

Vendor: DSHB

Catalog Number: PDF C7

Record Creation Time: 20231110T043420+0000

Record Last Update: 20241115T072630+0000

Ratings and Alerts

No rating or validation information has been found for PDF C7 antibody, deposited by Blau, Justin Biology, New York University.

Warning: ***Extracted Antibody Information:*** "anti-PDF (mouse, 1:5000, DSHB, PDF C7, RRID: ***AB_760350***),"

Extracted Specificity Statement: "Results representative from two independent experiments. Arrowheads indicate non-***specific*** staining. Expression of GFP using TH GAL4 and colabeling PDF (D, left) and using antibodies against TH and PDF (D, right) in wild-type flies reveal dopaminergic projection in the vicinity of ascending portion of s-LNv dorsal projection as indicated by asterisks."

Data was mined by Antibody Watch (https://arxiv.org/pdf/2008.01937.pdf), from ***PMID:30131970***
Blau, Justin, Pigment-dispersing factor neuropeptide, Drosophila, MIgG2b, kappa light chain, Drosophila/Cockroach/Cabbage root fly, Pdf, Dmel\CG6496; Drm-pdf; Drm-PDF; PAP; cPDH; PDH, monoclonal, Drosophila antigens/Neurodevelopment/Cell markers/Cell signaling, Immunohistochemistry/Immunofluorescence epitope mapped: Yes; Predicted: PDF, 2kDa; PDF precursor, 11.5kDa amidated pigment dispersing factor neuropeptide Consolidation on 6/2023: AB_2315084

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 81 mentions in open access literature.

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

Yuan Y, et al. (2025) Drosophila models used to simulate human ATP1A1 gene mutations that cause Charcot-Marie-Tooth type 2 disease and refractory seizures. Neural regeneration research, 20(1), 265.

Mao R, et al. (2024) Conditional chemoconnectomics (cCCTomics) as a strategy for efficient and conditional targeting of chemical transmission. eLife, 12.

Liu J, et al. (2024) Spatiotemporal changes in Netrin/Dscam1 signaling dictate axonal projection direction in Drosophila small ventral lateral clock neurons. eLife, 13.

Yano J, et al. (2024) Elevated sleep quota in a stress-resilient Drosophila species. Current biology : CB, 34(11), 2487.

Xia D, et al. (2024) Overexpression of ?-synuclein in PDF neurons alters sleep-wake pattern by regulating lipid metabolism in Drosophila. Sleep.

Song C, et al. (2023) Fragile X mental retardation protein coordinates neuron-to-glia communication for clearance of developmentally transient brain neurons. Proceedings of the National Academy of Sciences of the United States of America, 120(12), e2216887120.

Hidalgo S, et al. (2023) Seasonal cues act through the circadian clock and pigment-dispersing factor to control EYES ABSENT and downstream physiological changes. Current biology : CB, 33(4), 675.

Giesecke A, et al. (2023) A novel period mutation implicating nuclear export in temperature compensation of the Drosophila circadian clock. Current biology : CB, 33(2), 336.

Hirata K, et al. (2023) Bolwig Organ and Its Role in the Photoperiodic Response of Sarcophaga similis Larvae. Insects, 14(2).

Manoli G, et al. (2023) Characterization of clock-related proteins and neuropeptides in Drosophila littoralis and their putative role in diapause. The Journal of comparative neurology, 531(15), 1525.

Chaturvedi R, et al. (2022) Astrocytic GABA transporter controls sleep by modulating GABAergic signaling in Drosophila circadian neurons. Current biology : CB, 32(9), 1895.

Schellinger JN, et al. (2022) Chloride oscillation in pacemaker neurons regulates circadian rhythms through a chloride-sensing WNK kinase signaling cascade. Current biology : CB, 32(6), 1429.

Iyengar AS, et al. (2022) Under warm ambient conditions, Drosophila melanogaster suppresses nighttime activity via the neuropeptide pigment dispersing factor. Genes, brain, and behavior, 21(4), e12802.

Vaughen JP, et al. (2022) Glial control of sphingolipid levels sculpts diurnal remodeling in a circadian circuit. Neuron, 110(19), 3186.

Reinhard N, et al. (2022) The lateral posterior clock neurons of Drosophila melanogaster express three neuropeptides and have multiple connections within the circadian clock network and beyond. The Journal of comparative neurology, 530(9), 1507.

Meiselman MR, et al. (2022) Recovery from cold-induced reproductive dormancy is regulated by temperature-dependent AstC signaling. Current biology : CB, 32(6), 1362.

Wang J, et al. (2022) DBT affects sleep in both circadian and non-circadian neurons. PLoS genetics, 18(2), e1010035.

Massah A, et al. (2022) Distribution and daily oscillation of GABA in the circadian system of the cockroach Rhyparobia maderae. The Journal of comparative neurology, 530(5), 770.

Kula-Eversole E, et al. (2021) Phosphatase of Regenerating Liver-1 Selectively Times Circadian Behavior in Darkness via Function in PDF Neurons and Dephosphorylation of TIMELESS. Current biology : CB, 31(1), 138.

Ma D, et al. (2021) A transcriptomic taxonomy of Drosophila circadian neurons around the clock. eLife, 10.