

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 1, 2025

histone 2A gamma variant, phosphorylated antibody - Hawley, R.S.; Stowers Institute

RRID:AB_2618077

Type: Antibody

Proper Citation

(DSHB Cat# UNC93-5.2.1, RRID:AB_2618077)

Antibody Information

URL: http://antibodyregistry.org/AB_2618077

Proper Citation: (DSHB Cat# UNC93-5.2.1, RRID:AB_2618077)

Target Antigen: histone 2A gamma variant, phosphorylated

Host Organism: mouse

Clonality: monoclonal

Comments: Application(s): ELISA,Immunofluorescence,Western Blot; Date Deposited: 09/09/2013

Antibody Name: histone 2A gamma variant, phosphorylated antibody - Hawley, R.S.; Stowers Institute

Description: This monoclonal targets histone 2A gamma variant, phosphorylated

Target Organism: Drosophila

Defining Citation: [PMID:26502056](#), [PMID:23833215](#), [PMID:26851213](#), [PMID:27288507](#), [PMID:25345385](#), [PMID:27131378](#)

Antibody ID: AB_2618077

Vendor: DSHB

Catalog Number: UNC93-5.2.1

Record Creation Time: 20231110T034910+0000

Record Last Update: 20240725T021437+0000

Ratings and Alerts

No rating or validation information has been found for histone 2A gamma variant, phosphorylated antibody - Hawley, R.S.; Stowers Institute.

No alerts have been found for histone 2A gamma variant, phosphorylated antibody - Hawley, R.S.; Stowers Institute.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Maurya D, et al. (2024) Transient caspase-mediated activation of caspase-activated DNase causes DNA damage required for phagocytic macrophage differentiation. Cell reports, 43(5), 114251.

Huang YT, et al. (2024) An unscheduled switch to endocycles induces a reversible senescent arrest that impairs growth of the Drosophila wing disc. bioRxiv : the preprint server for biology.

Barrio L, et al. (2023) Chromosomal instability-induced cell invasion through caspase-driven DNA damage. Current biology : CB, 33(20), 4446.

Brand CL, et al. (2022) Cross-species incompatibility between a DNA satellite and the Drosophila Spartan homolog poisons germline genome integrity. Current biology : CB, 32(13), 2962.

Chakravarti A, et al. (2022) Drosophila p53 isoforms have overlapping and distinct functions in germline genome integrity and oocyte quality control. eLife, 11.

Wang XF, et al. (2021) Polyploid mitosis and depolyploidization promote chromosomal instability and tumor progression in a Notch-induced tumor model. Developmental cell, 56(13), 1976.

Napoletano F, et al. (2021) The prolyl-isomerase PIN1 is essential for nuclear Lamin-B structure and function and protects heterochromatin under mechanical stress. Cell reports,

36(11), 109694.

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

Vaccaro A, et al. (2020) Sleep Loss Can Cause Death through Accumulation of Reactive Oxygen Species in the Gut. *Cell*, 181(6), 1307.

Wei Y, et al. (2019) The GATOR complex regulates an essential response to meiotic double-stranded breaks in *Drosophila*. *eLife*, 8.

Wang L, et al. (2018) Hijacking Oogenesis Enables Massive Propagation of LINE and Retroviral Transposons. *Cell*, 174(5), 1082.

Colmenares SU, et al. (2017) *Drosophila* Histone Demethylase KDM4A Has Enzymatic and Non-enzymatic Roles in Controlling Heterochromatin Integrity. *Developmental cell*, 42(2), 156.

Li Y, et al. (2017) H2Av facilitates H3S10 phosphorylation but is not required for heat shock-induced chromatin decondensation or transcriptional elongation. *Development (Cambridge, England)*, 144(18), 3232.

Tran M, et al. (2016) Early development of *Drosophila* embryos requires Smc5/6 function during oogenesis. *Biology open*, 5(7), 928.

Li Y, et al. (2016) Methylation of histone H4 lysine 20 by PR-Set7 ensures the integrity of late replicating sequence domains in *Drosophila*. *Nucleic acids research*, 44(15), 7204.

Börner K, et al. (2016) A role for tuned levels of nucleosome remodeler subunit ACF1 during *Drosophila* oogenesis. *Developmental biology*, 411(2), 217.

Sengupta S, et al. (2016) Digitator/dASCIZ Has Multiple Roles in *Drosophila* Development. *PloS one*, 11(11), e0166829.

Ryu T, et al. (2015) Heterochromatic breaks move to the nuclear periphery to continue recombinational repair. *Nature cell biology*, 17(11), 1401.

Nakamura M, et al. (2014) Mitochondrial defects trigger proliferation of neighbouring cells via a senescence-associated secretory phenotype in *Drosophila*. *Nature communications*, 5, 5264.

Lake CM, et al. (2013) The development of a monoclonal antibody recognizing the *Drosophila melanogaster* phosphorylated histone H2A variant (?-H2AV). *G3 (Bethesda, Md.)*, 3(9), 1539.