# Resource Summary Report

Generated by RRID on Aug 2, 2026

## H3K9me2-dmelanogaster

RRID:AB_449854
Type: Antibody

### Proper Citation

Abcam Cat# ab1220, RRID:AB_449854

### Antibody Information

**URL:** http://antibodyregistry.org/AB_449854

**Proper Citation:** Abcam Cat# ab1220, RRID:AB_449854

**Target Antigen:** H3K9me2

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** ENCODE PROJECT External validation for lot# GR38973-3 is available under ENCODE ID: ENCAB638TXJ

**Antibody Name:** H3K9me2-dmelanogaster

**Description:** This monoclonal targets H3K9me2

**Target Organism:** drosophila melanogaster

**Clone ID:** Clone mAbcam 1220

**Antibody ID:** AB_449854

**Vendor:** Abcam

**Catalog Number:** ab1220

**Record Creation Time:** 20250820T012819+0000

**Record Last Update:** 20250820T110056+0000

### Ratings and Alerts

- ENCODE PROJECT External validation for lot: 320150 is available under ENCODE ID: ENCAB783AQT - ENCODE https://www.encodeproject.org/antibodies/ENCAB783AQT

No alerts have been found for H3K9me2-dmelanogaster.

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 118 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID .


Liu Y, et al. (2025) DNA hypomethylation promotes UHRF1-and SUV39H1/H2-dependent crosstalk between H3K18ub and H3K9me3 to reinforce heterochromatin states. Molecular cell, 85(2), 394.

Jiang S, et al. (2025) JMJD2 regulates enhancer-promoter interactions via biomolecular condensate formation. Nature genetics.

Basso M, et al. (2025) Actin-based deformations of the nucleus control mouse multiciliated ependymal cell differentiation. Developmental cell, 60(5), 749.

Gupta S, et al. (2025) The nucleolar granular component mediates genome-nucleolus interactions and establishes their repressive chromatin states. Molecular cell, 85(11), 2165.

Pal M, et al. (2025) The establishment of nuclear organization in mouse embryos is orchestrated by multiple epigenetic pathways. Cell, 188(13), 3583.

Miles A, et al. (2025) The homeobox gene, dmbx1a, is required for the development and maintenance of bipolar and photoreceptor cells in the zebrafish retina. Experimental eye research, 110809.

Liu L, et al. (2025) CXCR4-LASP1-G9a-SNAIL axis drives NEPC transdifferentiation via induction of EMT and downregulation of REST. Cell genomics, 5(8), 100916.

Sankhe CS, et al. (2025) Matrix Stiffness Regulates TGF?1-Induced ?SMA Expression via a G9a-LATS-YAP Signaling Cascade. FASEB bioAdvances, 7(7), e70035.

Dillingham CM, et al. (2025) KDM3A and KDM3B regulate alternative splicing in mouse pluripotent stem cells. iScience, 28(6), 112612.

Han G, et al. (2024) Selective translation of nuclear mitochondrial respiratory proteins reprograms succinate metabolism in AML development and chemoresistance. Cell stem cell, 31(12), 1777.

Shu J, et al. (2024) EMF1 functions as a 3D chromatin modulator in Arabidopsis. Molecular cell, 84(24), 4729.

Wang Z, et al. (2024) Histone demethylase PHF8 promotes prostate cancer metastasis via the E2F1-SNAI1 axis. The Journal of pathology, 264(1), 68.

Larkin A, et al. (2024) Mapping the dynamics of epigenetic adaptation in S. pombe during heterochromatin misregulation. Developmental cell, 59(16), 2222.

Del Vecchio A, et al. (2024) PCGF6 controls murine Tuft cell differentiation via H3K9me2 modification independently of Polycomb repression. Developmental cell, 59(3), 368.

Charlton SJ, et al. (2024) The fork protection complex promotes parental histone recycling and epigenetic memory. Cell, 187(18), 5029.

Yu J, et al. (2024) A replisome-associated histone H3-H4 chaperone required for epigenetic inheritance. Cell, 187(18), 5010.

Stutzman AV, et al. (2024) Heterochromatic 3D genome organization is directed by HP1a- and H3K9-dependent and independent mechanisms. Molecular cell, 84(11), 2017.

Khanduja JS, et al. (2024) RNA quality control factors nucleate Clr4/SUV39H and trigger constitutive heterochromatin assembly. Cell, 187(13), 3262.

Alves-Lopes JP, et al. (2023) Specification of human germ cell fate with enhanced progression capability supported by hindgut organoids. Cell reports, 42(1), 111907.

Yang J, et al. (2023) Exposure to high-sugar diet induces transgenerational changes in sweet sensitivity and feeding behavior via H3K27me3 reprogramming. eLife, 12.