

Resource Summary Report

Generated by [NIF](#) on Aug 13, 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 125 mentions in open access literature.

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

Yuan C, et al. (2026) The XSER1 lncRNA acts as an enhancer RNA and confers resistance to pathogens by promoting chromatin loop formation in rice. *Molecular cell*, 86(6), 998.

Adan-Villaescusa E, et al. (2026) Histone methyl-transferase G9a inhibition boosts the efficacy of immune checkpoint inhibitors in experimental hepatocellular carcinoma. *Cell reports. Medicine*, 7(4), 102717.

Fukushima T, et al. (2026) PHF2 regulates grip strength via demethylation at the promoter region of the Mef2c. *iScience*, 29(4), 115517.

Chatterjee K, et al. (2026) Coordinated repression of totipotency-associated gene loci by histone methyltransferase EHMT2 via LINE1 regulatory elements. *EMBO reports*, 27(3), 654.

Jiang N, et al. (2026) TP53BP2 Promotes Placental Autophagy and Preeclampsia via G9a and DNMT1 Cooperatively Modulating E2F1. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(10), e16408.

Kafkia E, et al. (2026) TCA cycle rewiring underpins histone acetylation sourcing and cell-fate transitions during exit from naive pluripotency. *Cell stem cell*, 33(5), 820.

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*.

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

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

Akano I, et al. (2025) The SWI/SNF-related protein SMARCA3 is a histone H3K23 ubiquitin ligase that regulates H3K9me3 in cancer. *Molecular cell*, 85(15), 2885.

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.

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

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

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.

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.