

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

H3K27me2-dmelanogaster

RRID:AB_448222

Type: Antibody

Proper Citation

Abcam Cat# ab24684, RRID:AB_448222

Antibody Information

URL: http://antibodyregistry.org/AB_448222

Proper Citation: Abcam Cat# ab24684, RRID:AB_448222

Target Antigen: H3K27me2

Host Organism: rabbit

Clonality: polyclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 484517 for any cell type or tissues; status is awaiting lab characterization

Antibody Name: H3K27me2-dmelanogaster

Description: This polyclonal targets H3K27me2

Target Organism: drosophila melanogaster

Antibody ID: AB_448222

Vendor: Abcam

Catalog Number: ab24684

Record Creation Time: 20250820T045130+0000

Record Last Update: 20250820T200724+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 484517 is available under ENCODE ID: ENCAB961FBP - ENCODE

No alerts have been found for H3K27me2-dmelanogaster.

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 [dkNET](#) .

Agius SC, et al. (2026) Accessory subunits of PRC2 mimic H3K27me3 to restrict the spread of Polycomb domains. *Molecular cell*, 86(6), 1032.

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.

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

Xu M, et al. (2025) A fungal chromatin remodeler drives transcription by establishing an open chromatin architecture and activated histone environment. *Cell reports*, 44(9), 116169.

Sundararajan S, et al. (2023) Methylated histones on mitotic chromosomes promote topoisomerase II β function for high fidelity chromosome segregation. *iScience*, 26(5), 106743.

Jamge B, et al. (2023) Histone variants shape chromatin states in Arabidopsis. *eLife*, 12.

Pandit M, et al. (2023) Methionine consumption by cancer cells drives a progressive upregulation of PD-1 expression in CD4 T cells. *Nature communications*, 14(1), 2593.

Sasaki K, et al. (2022) Visualization of the dynamic interaction between nucleosomal histone H3K9 tri-methylation and HP1 γ chromodomain in living cells. *Cell chemical biology*, 29(7), 1153.

Harpaz N, et al. (2022) Single-cell epigenetic analysis reveals principles of chromatin states in H3.3-K27M gliomas. *Molecular cell*, 82(14), 2696.

Tauc HM, et al. (2021) Age-related changes in polycomb gene regulation disrupt lineage fidelity in intestinal stem cells. *eLife*, 10.

Daura E, et al. (2021) Cystatin B-deficiency triggers ectopic histone H3 tail cleavage during neurogenesis. *Neurobiology of disease*, 156, 105418.

Biggar KK, et al. (2020) Proteome-wide Prediction of Lysine Methylation Leads to Identification of H2BK43 Methylation and Outlines the Potential Methyllysine Proteome. *Cell reports*, 32(2), 107896.

Huang Y, et al. (2019) Small-Molecule Targeting of Oncogenic FTO Demethylase in Acute Myeloid Leukemia. *Cancer cell*, 35(4), 677.

Ma Z, et al. (2018) Epigenetic drift of H3K27me3 in aging links glycolysis to healthy longevity in *Drosophila*. *eLife*, 7.

Zhou Z, et al. (2018) Loss of TET1 facilitates DLD1 colon cancer cell migration via H3K27me3-mediated down-regulation of E-cadherin. *Journal of cellular physiology*, 233(2), 1359.

Ying Z, et al. (2018) Short-Term Mitochondrial Permeability Transition Pore Opening Modulates Histone Lysine Methylation at the Early Phase of Somatic Cell Reprogramming. *Cell metabolism*, 28(6), 935.

Hinohara K, et al. (2018) KDM5 Histone Demethylase Activity Links Cellular Transcriptomic Heterogeneity to Therapeutic Resistance. *Cancer cell*, 34(6), 939.

Zhu Z, et al. (2017) PHB Associates with the HIRA Complex to Control an Epigenetic-Metabolic Circuit in Human ESCs. *Cell stem cell*, 20(2), 274.

Brejc K, et al. (2017) Dynamic Control of X Chromosome Conformation and Repression by a Histone H4K20 Demethylase. *Cell*, 171(1), 85.

Evans B, et al. (2015) Registered report: Oncometabolite 2-hydroxyglutarate is a competitive inhibitor of α -ketoglutarate-dependent dioxygenases. *eLife*, 4, e07420.