

# Resource Summary Report

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

## Histone H3 (di methyl K27) antibody - ChIP Grade

RRID:AB\_448222

Type: Antibody

### Proper Citation

Abcam Cat# ab24684, RRID:AB\_448222

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_448222](http://antibodyregistry.org/AB_448222)

**Proper Citation:** Abcam Cat# ab24684, RRID:AB\_448222

**Target Antigen:** Histone H3 (di methyl K27) antibody - ChIP Grade

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** validation status unknown, seller recommendations provided in 2012: ChIP, ICC/IF, IP, WB; Immunofluorescence; ChIP; Immunocytochemistry; Immunoprecipitation; Western Blot

**Antibody Name:** Histone H3 (di methyl K27) antibody - ChIP Grade

**Description:** This polyclonal targets Histone H3 (di methyl K27) antibody - ChIP Grade

**Target Organism:** cow, mouse, bovine, human

**Antibody ID:** AB\_448222

**Vendor:** Abcam

**Catalog Number:** ab24684

**Record Creation Time:** 20250819T220713+0000

**Record Last Update:** 20250820T011003+0000

### Ratings and Alerts

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

<https://www.encodeproject.org/antibodies/ENCAB961FBP>

No alerts have been found for Histone H3 (di methyl K27) antibody - ChIP Grade.

---

## 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.

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

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

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.

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

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

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  $\alpha$ -ketoglutarate-dependent dioxygenases. *eLife*, 4, e07420.