

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://www.fdi-lab.com) on Apr 28, 2025

## H3K36me2-celegans

RRID:AB\_1280939

Type: Antibody

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### Proper Citation

(Abcam Cat# ab9049, RRID:AB\_1280939)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_1280939](http://antibodyregistry.org/AB_1280939)

**Proper Citation:** (Abcam Cat# ab9049, RRID:AB\_1280939)

**Target Antigen:** H3K36me2

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** ENCODE PROJECT External validation DATA SET is released testing lot 608457 for any cell type or tissues; status is awaiting lab characterization

**Antibody Name:** H3K36me2-celegans

**Description:** This polyclonal targets H3K36me2

**Target Organism:** caenorhabditis elegans

**Antibody ID:** AB\_1280939

**Vendor:** Abcam

**Catalog Number:** ab9049

**Record Creation Time:** 20241016T220459+0000

**Record Last Update:** 20241016T221001+0000

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### Ratings and Alerts

- ENCODE PROJECT External validation for lot: 608457 is available under ENCODE ID: ENCAB790SCK - ENCODE <https://www.encodeproject.org/antibodies/ENCAB790SCK>

No alerts have been found for H3K36me2-celegans.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Niu N, et al. (2024) Tumor cell-intrinsic epigenetic dysregulation shapes cancer-associated fibroblasts heterogeneity to metabolically support pancreatic cancer. *Cancer cell*, 42(5), 869.

Ko EK, et al. (2024) Disruption of H3K36 methylation provokes cellular plasticity to drive aberrant glandular formation and squamous carcinogenesis. *Developmental cell*, 59(2), 187.

Nie DY, et al. (2023) Recruitment of FBXO22 for Targeted Degradation of NSD2. *bioRxiv* : the preprint server for biology.

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

Gleason RJ, et al. (2023) Developmentally programmed histone H3 expression regulates cellular plasticity at the parental-to-early embryo transition. *Science advances*, 9(14), eadh0411.

Yang JH, et al. (2023) Loss of epigenetic information as a cause of mammalian aging. *Cell*, 186(2), 305.

Swaffer MP, et al. (2023) RNA polymerase II dynamics and mRNA stability feedback scale mRNA amounts with cell size. *Cell*, 186(24), 5254.

Fang W, et al. (2022) Reciprocal regulation of phosphatidylcholine synthesis and H3K36 methylation programs metabolic adaptation. *Cell reports*, 39(2), 110672.

Drosos Y, et al. (2022) NSD1 mediates antagonism between SWI/SNF and polycomb complexes and is required for transcriptional activation upon EZH2 inhibition. *Molecular cell*, 82(13), 2472.

Whetstone JR, et al. (2022) A cell-sorting-based protocol for cell cycle small-scale ChIP sequencing. *STAR protocols*, 3(2), 101243.

Dilworth D, et al. (2022) A chemical probe targeting the PWWP domain alters NSD2

nucleolar localization. *Nature chemical biology*, 18(1), 56.

Yan Y, et al. (2022) ASH1L haploinsufficiency results in autistic-like phenotypes in mice and links Eph receptor gene to autism spectrum disorder. *Neuron*, 110(7), 1156.

Barral A, et al. (2022) SETDB1/NSD-dependent H3K9me3/H3K36me3 dual heterochromatin maintains gene expression profiles by bookmarking poised enhancers. *Molecular cell*, 82(4), 816.

Chen E, et al. (2022) Decorating chromatin for enhanced genome editing using CRISPR-Cas9. *Proceedings of the National Academy of Sciences of the United States of America*, 119(49), e2204259119.

Conway E, et al. (2021) BAP1 enhances Polycomb repression by counteracting widespread H2AK119ub1 deposition and chromatin condensation. *Molecular cell*, 81(17), 3526.

Santos-Rosa H, et al. (2021) Methylation of histone H3 at lysine 37 by Set1 and Set2 prevents spurious DNA replication. *Molecular cell*, 81(13), 2793.

Van Rechem C, et al. (2021) Collective regulation of chromatin modifications predicts replication timing during cell cycle. *Cell reports*, 37(1), 109799.

Liu H, et al. (2021) Pro-inflammatory and proliferative microglia drive progression of glioblastoma. *Cell reports*, 36(11), 109718.

Zaghet N, et al. (2021) Coordinated maintenance of H3K36/K27 methylation by histone demethylases preserves germ cell identity and immortality. *Cell reports*, 37(8), 110050.

Yuan H, et al. (2020) SETD2 Restricts Prostate Cancer Metastasis by Integrating EZH2 and AMPK Signaling Pathways. *Cancer cell*, 38(3), 350.