

Resource Summary Report

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Histone H3 (di methyl K36) antibody - ChIP Grade

RRID:AB_1280939

Type: Antibody

Proper Citation

(Abcam Cat# ab9049, RRID:AB_1280939)

Antibody Information

URL: http://antibodyregistry.org/AB_1280939

Proper Citation: (Abcam Cat# ab9049, RRID:AB_1280939)

Target Antigen: Histone H3 (di methyl K36) antibody - ChIP Grade

Host Organism: rabbit

Clonality: polyclonal

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

Antibody Name: Histone H3 (di methyl K36) antibody - ChIP Grade

Description: This polyclonal targets Histone H3 (di methyl K36) antibody - ChIP Grade

Target Organism: drosophilaarthropod, cow, yeastfungi, zebrafishfish, bovine, zebrafish, human, c elegansworm

Antibody ID: AB_1280939

Vendor: Abcam

Catalog Number: ab9049

Record Creation Time: 20241017T001522+0000

Record Last Update: 20241017T015517+0000

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 Histone H3 (di methyl K36) antibody - CHIP Grade.

Data and Source Information

Source: [Antibody Registry](#)

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.

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.

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.

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