

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

H3K4me3-human

RRID:AB_2616052

Type: Antibody

Proper Citation

Diagenode Cat# pAb-003-050, RRID:AB_2616052

Antibody Information

URL: http://antibodyregistry.org/AB_2616052

Proper Citation: Diagenode Cat# pAb-003-050, RRID:AB_2616052

Target Antigen: H3K4me3

Host Organism: rabbit

Clonality: polyclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot A5051-001P for any cell type and tissues; status is eligible for new data

Antibody Name: H3K4me3-human

Description: This polyclonal targets H3K4me3

Target Organism: Homo sapiens

Antibody ID: AB_2616052

Vendor: Diagenode

Catalog Number: pAb-003-050

Alternative Catalog Numbers: C15410003-50, C15410003-10, ENCAB000BKU

Record Creation Time: 20250820T012913+0000

Record Last Update: 20250820T110340+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: A5051-001P is available under ENCODE ID: ENCAB000BKU - ENCODE <https://www.encodeproject.org/antibodies/ENCAB000BKU>

No alerts have been found for H3K4me3-human.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Adlakha A, et al. (2025) Interferon-gamma rescues dendritic cell calcineurin-dependent responses to *Aspergillus fumigatus* via Stat3 to Stat1 switching. *iScience*, 28(2), 111535.

Lando D, et al. (2024) Enhancer-promoter interactions are reconfigured through the formation of long-range multiway hubs as mouse ES cells exit pluripotency. *Molecular cell*.

Dos Santos JC, et al. (2024) *Leishmania braziliensis* enhances monocyte responses to promote anti-tumor activity. *Cell reports*, 43(3), 113932.

Jacobs MME, et al. (2024) Trained immunity is regulated by T cell-induced CD40-TRAF6 signaling. *Cell reports*, 43(9), 114664.

Mol JQ, et al. (2023) Peripheral blood mononuclear cell hyperresponsiveness in patients with premature myocardial infarction without traditional risk factors. *iScience*, 26(7), 107183.

Dror E, et al. (2023) Epigenetic dosage identifies two major and functionally distinct ? cell subtypes. *Cell metabolism*, 35(5), 821.

Frost JM, et al. (2023) Regulation of human trophoblast gene expression by endogenous retroviruses. *Nature structural & molecular biology*, 30(4), 527.

Rother N, et al. (2023) Acid ceramidase regulates innate immune memory. *Cell reports*, 42(12), 113458.

Brown AC, et al. (2023) Comprehensive epigenomic profiling reveals the extent of disease-specific chromatin states and informs target discovery in ankylosing spondylitis. *Cell genomics*, 3(6), 100306.

Zhang P, et al. (2022) Epigenomic analysis reveals a dynamic and context-specific macrophage enhancer landscape associated with innate immune activation and tolerance. *Genome biology*, 23(1), 136.

García-Eguren G, et al. (2022) Glucocorticoid-induced Fingerprints on Visceral Adipose Tissue Transcriptome and Epigenome. *The Journal of clinical endocrinology and*

metabolism, 107(1), 150.

Ashley B, et al. (2022) Placental uptake and metabolism of 25(OH)vitamin D determine its activity within the fetoplacental unit. *eLife*, 11.

Meijer M, et al. (2022) Epigenomic priming of immune genes implicates oligodendroglia in multiple sclerosis susceptibility. *Neuron*, 110(7), 1193.

Kuo FC, et al. (2022) HOTAIR interacts with PRC2 complex regulating the regional preadipocyte transcriptome and human fat distribution. *Cell reports*, 40(4), 111136.

Dubois-Pot-Schneider H, et al. (2022) Transcriptional and Epigenetic Consequences of DMSO Treatment on HepaRG Cells. *Cells*, 11(15).

Orth MF, et al. (2022) Systematic multi-omics cell line profiling uncovers principles of Ewing sarcoma fusion oncogene-mediated gene regulation. *Cell reports*, 41(10), 111761.

Pettinato AM, et al. (2021) Sarcomere function activates a p53-dependent DNA damage response that promotes polyploidization and limits in vivo cell engraftment. *Cell reports*, 35(5), 109088.

Lisner A, et al. (2021) ChIP-seq protocol for sperm cells and embryos to assess environmental impacts and epigenetic inheritance. *STAR protocols*, 2(2), 100602.

Maat H, et al. (2021) The USP7-TRIM27 axis mediates non-canonical PRC1.1 function and is a druggable target in leukemia. *iScience*, 24(5), 102435.

Lisner A, et al. (2021) Histone H3 lysine 4 trimethylation in sperm is transmitted to the embryo and associated with diet-induced phenotypes in the offspring. *Developmental cell*, 56(5), 671.