Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 4, 2025

H3K4me3-human

RRID:AB_2616028
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 9751, RRID:AB_2616028)

Antibody Information

URL: http://antibodyregistry.org/AB_2616028

Proper Citation: (Cell Signaling Technology Cat# 9751, RRID:AB_2616028)

Target Antigen: H3K4me3

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-IC, F, ChIP, ChIP-seq
ENCODE PROJECT External validation DATA SET is released testing lot 6 for any cell type and tissues; status is eligible for new data
Consolidation on 6/2023: AB_836882

Antibody Name: H3K4me3-human

Description: This monoclonal targets H3K4me3

Target Organism: homo sapiens

Clone ID: Clone C42D8

Antibody ID: AB_2616028

Vendor: Cell Signaling Technology

Catalog Number: 9751

Alternative Catalog Numbers: 9751S, ENCAB902NZL, 9751BF

Record Creation Time: 20241016T230651+0000

Record Last Update: 20241017T000337+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 7 is available under ENCODE ID: ENCAB008TOZ - ENCODE https://www.encodeproject.org/antibodies/ENCAB008TOZ

No alerts have been found for H3K4me3-human.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 109 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research, 85(1), 32.

Bryan E, et al. (2025) Nucleosomal asymmetry shapes histone mark binding and promotes poising at bivalent domains. Molecular cell, 85(3), 471.

Kaufman ME, et al. (2024) Characterizing Relationships between T-cell Inflammation and Outcomes in Patients with High-Risk Neuroblastoma According to Mesenchymal and Adrenergic Signatures. Cancer research communications, 4(8), 2255.

Sun X, et al. (2024) Deletion of the mRNA endonuclease Regnase-1 promotes NK cell anti-tumor activity via OCT2-dependent transcription of Ifng. Immunity, 57(6), 1360.

Cui L, et al. (2024) Targeting Arachidonic Acid Metabolism Enhances Immunotherapy Efficacy in ARID1A-Deficient Colorectal Cancer. Cancer research.

Loi P, et al. (2024) Epigenetic and Oncogenic Inhibitors Cooperatively Drive Differentiation and Kill KRAS-Mutant Colorectal Cancers. Cancer discovery, 14(12), 2430.

Fan S, et al. (2024) Promoter DNA methylation and transcription factor condensation are linked to transcriptional memory in mammalian cells. Cell systems, 15(9), 808.

Boddu PC, et al. (2024) Transcription elongation defects link oncogenic SF3B1 mutations to targetable alterations in chromatin landscape. Molecular cell, 84(8), 1475.

Yheskel M, et al. (2024) KDM5-mediated transcriptional activation of ribosomal protein genes alters translation efficiency to regulate mitochondrial metabolism in neurons. Nucleic acids research, 52(11), 6201.

Prasasya RD, et al. (2024) Iterative oxidation by TET1 is required for reprogramming of imprinting control regions and patterning of mouse sperm hypomethylated regions. Developmental cell, 59(8), 1010.

Chen Y, et al. (2024) SP6 controls human cytotrophoblast fate decisions and trophoblast stem cell establishment by targeting MSX2 regulatory elements. Developmental cell, 59(12), 1506.

Liu CC, et al. (2024) Targeting EMSY-mediated methionine metabolism is a potential therapeutic strategy for triple-negative breast cancer. Cell reports. Medicine, 5(2), 101396.

Ye X, et al. (2024) Enhancer-promoter activation by the Kaposi sarcoma-associated herpesvirus episome maintenance protein LANA. Cell reports, 43(3), 113888.

Han X, et al. (2024) Nuclear RNA homeostasis promotes systems-level coordination of cell fate and senescence. Cell stem cell, 31(5), 694.

Liu Y, et al. (2024) Squalene-epoxidase-catalyzed 24(S),25-epoxycholesterol synthesis promotes trained-immunity-mediated antitumor activity. Cell reports, 43(4), 114094.

Zhu R, et al. (2024) ACSS2 acts as a lactyl-CoA synthetase and couples KAT2A to function as a lactyltransferase for histone lactylation and tumor immune evasion. Cell metabolism.

Ginley-Hidinger M, et al. (2024) Cis-regulatory control of transcriptional timing and noise in response to estrogen. Cell genomics, 4(5), 100542.

Treekitkarnmongkol W, et al. (2024) Epigenetic activation of SOX11 is associated with recurrence and progression of ductal carcinoma in situ to invasive breast cancer. British journal of cancer, 131(1), 171.

Wang G, et al. (2024) Ethanol changes Nestin-promoter induced neural stem cells to disturb newborn dendritic spine remodeling in the hippocampus of mice. Neural regeneration research, 19(2), 416.

Constantinou M, et al. (2024) Lineage specification in glioblastoma is regulated by METTL7B. Cell reports, 43(6), 114309.