

Resource Summary Report

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H3K4me3-human

RRID:AB_2615077

Type: Antibody

Proper Citation

(Active Motif Cat# 39159 (also 39160, 39060), RRID:AB_2615077)

Antibody Information

URL: http://antibodyregistry.org/AB_2615077

Proper Citation: (Active Motif Cat# 39159 (also 39160, 39060), RRID:AB_2615077)

Target Antigen: H3K4me3

Host Organism: rabbit

Clonality: polyclonal

Comments: The following antibodies were determined to be duplicates and consolidated by curator on 11/2018: AB_2615077, AB_2616153.

Antibody Name: H3K4me3-human

Description: This polyclonal targets H3K4me3

Target Organism: human

Antibody ID: AB_2615077

Vendor: Active Motif

Catalog Number: 39159 (also 39160, 39060)

Alternative Catalog Numbers: 39160, 39060

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 105 is available under ENCODE ID:

No alerts have been found for H3K4me3-human.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Janssens DH, et al. (2024) Scalable single-cell profiling of chromatin modifications with sciCUT&Tag. Nature protocols, 19(1), 83.

DuCote TJ, et al. (2024) EZH2 Inhibition Promotes Tumor Immunogenicity in Lung Squamous Cell Carcinomas. Cancer research communications, 4(2), 388.

Del Vecchio A, et al. (2024) PCGF6 controls murine Tuft cell differentiation via H3K9me2 modification independently of Polycomb repression. Developmental cell, 59(3), 368.

Ji D, et al. (2024) FOXA1 forms biomolecular condensates that unpack condensed chromatin to function as a pioneer factor. Molecular cell, 84(2), 244.

Li Z, et al. (2024) Nuclear microRNA-mediated transcriptional control determines adult microglial homeostasis and brain function. Cell reports, 43(3), 113964.

Mocholi E, et al. (2023) Pyruvate metabolism controls chromatin remodeling during CD4+ T cell activation. Cell reports, 42(6), 112583.

Cossec JC, et al. (2023) Transient suppression of SUMOylation in embryonic stem cells generates embryo-like structures. Cell reports, 42(4), 112380.

Zhou W, et al. (2023) Targeting the mevalonate pathway suppresses ARID1A-inactivated cancers by promoting pyroptosis. Cancer cell, 41(4), 740.

Qiu H, et al. (2023) KDM6A Loss Triggers an Epigenetic Switch That Disrupts Urothelial Differentiation and Drives Cell Proliferation in Bladder Cancer. Cancer research, 83(6), 814.

Shi Z, et al. (2023) Evolutionarily distinct and sperm-specific supersized chromatin loops are marked by Helitron transposons in Xenopus tropicalis. Cell reports, 42(3), 112151.

Mätlik K, et al. (2023) Histone bivalency regulates the timing of cerebellar granule cell development. Genes & development, 37(13-14), 570.

Mätlik K, et al. (2023) Histone bivalency regulates the timing of cerebellar granule cell

development. bioRxiv : the preprint server for biology.

Déjosez M, et al. (2023) Bat pluripotent stem cells reveal unusual entanglement between host and viruses. *Cell*, 186(5), 957.

Li YM, et al. (2023) Gcn5- and Bre1-mediated Set2 degradation promotes chronological aging of *Saccharomyces cerevisiae*. *Cell reports*, 42(10), 113186.

Nakahara R, et al. (2023) Hypoxia activates SREBP2 through Golgi disassembly in bone marrow-derived monocytes for enhanced tumor growth. *The EMBO journal*, 42(22), e114032.

Garza R, et al. (2023) LINE-1 retrotransposons drive human neuronal transcriptome complexity and functional diversification. *Science advances*, 9(44), eadh9543.

Grabowska A, et al. (2022) Activation-induced chromatin reorganization in neurons depends on HDAC1 activity. *Cell reports*, 38(7), 110352.

Panatta E, et al. (2022) Metabolic regulation by p53 prevents R-loop-associated genomic instability. *Cell reports*, 41(5), 111568.

Janas JA, et al. (2022) Tip60-mediated H2A.Z acetylation promotes neuronal fate specification and bivalent gene activation. *Molecular cell*, 82(24), 4627.

Watanabe H, et al. (2022) Transcription Factor Hematopoietically Expressed Homeobox Protein (Hhex) Negatively Regulates Osteoclast Differentiation by Controlling Cyclin-Dependent Kinase Inhibitors. *JBMR plus*, 6(4), e10608.