Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

Anti-5-methylcytosine (5-mC) antibody [33D3]

RRID:AB_442823
Type: Antibody

Proper Citation

(Abcam Cat# ab10805, RRID:AB_442823)

Antibody Information

URL: http://antibodyregistry.org/AB_442823

Proper Citation: (Abcam Cat# ab10805, RRID:AB_442823)

Target Antigen: 5-methylcytosine (5-mC)

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IHC-P, IP, Southern Blot, Flow Cyt, IHC-Fr

Antibody Name: Anti-5-methylcytosine (5-mC) antibody [33D3]

Description: This monoclonal targets 5-methylcytosine (5-mC)

Target Organism: species independent

Clone ID: 33D3

Antibody ID: AB_442823

Vendor: Abcam

Catalog Number: ab10805

Record Creation Time: 20231110T081009+0000

Record Last Update: 20241115T041045+0000

Ratings and Alerts

- Validation information is available from CAIRIBU project (RRID:SCR_022876). - Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) https://cairibu.urology.wisc.edu/

No alerts have been found for Anti-5-methylcytosine (5-mC) antibody [33D3].

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Kim S, et al. (2024) RNA 5-methylcytosine marks mitochondrial double-stranded RNAs for degradation and cytosolic release. Molecular cell, 84(15), 2935.

Li Y, et al. (2023) TET2-mediated mRNA demethylation regulates leukemia stem cell homing and self-renewal. Cell stem cell, 30(8), 1072.

Bredel M, et al. (2023) Haploinsufficiency of NFKBIA reshapes the epigenome antipodal to the IDH mutation and imparts disease fate in diffuse gliomas. Cell reports. Medicine, 4(6), 101082.

Alves-Lopes JP, et al. (2023) Specification of human germ cell fate with enhanced progression capability supported by hindgut organoids. Cell reports, 42(1), 111907.

Aibara D, et al. (2022) Gene repression through epigenetic modulation by PPARA enhances hepatocellular proliferation. iScience, 25(5), 104196.

Ul Haq S, et al. (2022) Cell-free DNA methylation-defined prognostic subgroups in small-cell lung cancer identified by leukocyte methylation subtraction. iScience, 25(12), 105487.

Guo R, et al. (2022) Methionine metabolism controls the B cell EBV epigenome and viral latency. Cell metabolism, 34(9), 1280.

Moyon S, et al. (2021) TET1-mediated DNA hydroxymethylation regulates adult remyelination in mice. Nature communications, 12(1), 3359.

Kobayashi T, et al. (2021) Tracing the emergence of primordial germ cells from bilaminar disc rabbit embryos and pluripotent stem cells. Cell reports, 37(2), 109812.

Tang Y, et al. (2020) OsNSUN2-Mediated 5-Methylcytosine mRNA Modification Enhances Rice Adaptation to High Temperature. Developmental cell, 53(3), 272.

Wang K, et al. (2020) Resveratrol inhibits the tumor migration and invasion by upregulating TET1 and reducing TIMP2/3 methylation in prostate carcinoma cells. The Prostate, 80(12), 977.

Filipponi D, et al. (2019) DNA Damage Signaling-Induced Cancer Cell Reprogramming as a Driver of Tumor Relapse. Molecular cell, 74(4), 651.

Yang Y, et al. (2019) RNA 5-Methylcytosine Facilitates the Maternal-to-Zygotic Transition by Preventing Maternal mRNA Decay. Molecular cell, 75(6), 1188.

Mohni KN, et al. (2019) HMCES Maintains Genome Integrity by Shielding Abasic Sites in Single-Strand DNA. Cell, 176(1-2), 144.

Joseph DB, et al. (2019) Epithelial DNA methyltransferase-1 regulates cell survival, growth and maturation in developing prostatic buds. Developmental biology, 447(2), 157.

Zhang B, et al. (2018) Widespread Enhancer Dememorization and Promoter Priming during Parental-to-Zygotic Transition. Molecular cell, 72(4), 673.

Rinaldi L, et al. (2017) Loss of Dnmt3a and Dnmt3b does not affect epidermal homeostasis but promotes squamous transformation through PPAR-?. eLife, 6.

Moyon S, et al. (2017) Efficient Remyelination Requires DNA Methylation. eNeuro, 4(2).