Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

Rabbit Anti-Histone H3, trimethyl XP??? Monoclonal Antibody, Unconjugated, Clone D5A7

RRID:AB_1950412
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4909, RRID:AB_1950412)

Antibody Information

URL: http://antibodyregistry.org/AB_1950412

Proper Citation: (Cell Signaling Technology Cat# 4909, RRID:AB_1950412)

Target Antigen: Histone H3, trimethyl

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-IC, F, ChIP, ChIP-seq. Consolidation on 11/2018: AB_10499634, AB_10500802, AB_1950412, AB_1950414, AB_2616016.

Antibody Name: Rabbit Anti-Histone H3, trimethyl XP??? Monoclonal Antibody, Unconjugated, Clone D5A7

Description: This monoclonal targets Histone H3, trimethyl

Target Organism: chicken, monkey, chickenavian, rat, hamster, simian, xenopus, mouse, drosophila, fish, bovine, zebrafish, human

Clone ID: Clone D5A7

Antibody ID: AB_1950412

Vendor: Cell Signaling Technology

Catalog Number: 4909

Record Creation Time: 20231110T051308+0000

Record Last Update: 20241115T132932+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 3 is available under ENCODE ID: ENCAB405MHV - ENCODE https://www.encodeproject.org/antibodies/ENCAB405MHV

No alerts have been found for Rabbit Anti-Histone H3, trimethyl XP??? Monoclonal Antibody, Unconjugated, Clone D5A7.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

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.

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.

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.

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.

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.

Fang L, et al. (2023) Methionine restriction promotes cGAS activation and chromatin untethering through demethylation to enhance antitumor immunity. Cancer cell, 41(6), 1118.

Chandhasin C, et al. (2023) TACH101, a first-in-class pan-inhibitor of KDM4 histone demethylase. Anti-cancer drugs.

Li HT, et al. (2023) RNA mis-splicing drives viral mimicry response after DNMTi therapy in SETD2-mutant kidney cancer. Cell reports, 42(1), 112016.

Zhang Y, et al. (2022) An antibody-based proximity labeling map reveals mechanisms of SARS-CoV-2 inhibition of antiviral immunity. Cell chemical biology, 29(1), 5.

Harpaz N, et al. (2022) Single-cell epigenetic analysis reveals principles of chromatin states in H3.3-K27M gliomas. Molecular cell, 82(14), 2696.

Yamamoto J, et al. (2022) Linkage of methionine addiction, histone lysine hypermethylation, and malignancy. iScience, 25(4), 104162.

Schniewind I, et al. (2022) Cellular plasticity upon proton irradiation determines tumor cell radiosensitivity. Cell reports, 38(8), 110422.

Villa E, et al. (2021) mTORC1 stimulates cell growth through SAM synthesis and m6A mRNA-dependent control of protein synthesis. Molecular cell, 81(10), 2076.

Yan R, et al. (2021) Decoding dynamic epigenetic landscapes in human oocytes using single-cell multi-omics sequencing. Cell stem cell, 28(9), 1641.

Zhu C, et al. (2021) Cancer-associated exportin-6 upregulation inhibits the transcriptionally repressive and anticancer effects of nuclear profilin-1. Cell reports, 34(7), 108749.

Bado IL, et al. (2021) The bone microenvironment increases phenotypic plasticity of ER+ breast cancer cells. Developmental cell, 56(8), 1100.

Araki R, et al. (2021) Low folate induces abnormal neuronal maturation and DNA hypomethylation of neuronal differentiation-related genes in cultured mouse neural stem and progenitor cells. Heliyon, 7(9), e08071.

Michowski W, et al. (2020) Cdk1 Controls Global Epigenetic Landscape in Embryonic Stem Cells. Molecular cell, 78(3), 459.

González-Rodríguez P, et al. (2020) SETD2 mutation in renal clear cell carcinoma suppress autophagy via regulation of ATG12. Cell death & disease, 11(1), 69.