

Resource Summary Report

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Tri-Methyl-Histone H3 (Lys4) Antibody

RRID:AB_561095

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 9727, RRID:AB_561095

Antibody Information

URL: http://antibodyregistry.org/AB_561095

Proper Citation: Cell Signaling Technology Cat# 9727, RRID:AB_561095

Target Antigen: Tri-Methyl-Histone H3 (Lys4)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IHC-P, IF-IC, ChIP
Consolidation 6/2023: AB_561097

Antibody Name: Tri-Methyl-Histone H3 (Lys4) Antibody

Description: This polyclonal targets Tri-Methyl-Histone H3 (Lys4)

Target Organism: rat, h, m, z), (x, mouse, r, zebrafish/fish, non-human primate, xenopus/amphibian, human, mk

Antibody ID: AB_561095

Vendor: Cell Signaling Technology

Catalog Number: 9727

Alternative Catalog Numbers: 9727S, 9727L, ENCAB682XRE

Record Creation Time: 20250820T005647+0000

Record Last Update: 20250820T093705+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 2 is available under ENCODE ID: ENCAB682XRE - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB682XRE>

No alerts have been found for Tri-Methyl-Histone H3 (Lys4) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Li J, et al. (2025) Multi-omics analysis reveals single-cell meiotic hotspot dynamics and epigenomic regulations in female mammals. Cell reports, 44(8), 116082.

Huang X, et al. (2025) DTL dose-dependent control of sex-dimorphic ferroptosis in liver ischemia reperfusion injury. Cell reports, 44(7), 115920.

Gao R, et al. (2024) Defining a TFAP2C-centered transcription factor network during murine peri-implantation. Developmental cell, 59(9), 1146.

Sudholz H, et al. (2024) DOT1L maintains NK cell phenotype and function for optimal tumor control. Cell reports, 43(6), 114333.

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.

Jiang J, et al. (2023) Asparagine starvation suppresses histone demethylation through iron depletion. iScience, 26(4), 106425.

Bai D, et al. (2022) Aberrant H3K4me3 modification of epiblast genes of extraembryonic tissue causes placental defects and implantation failure in mouse IVF embryos. Cell reports, 39(5), 110784.

Grinat J, et al. (2022) Epigenetic modifier balances Mapk and Wnt signalling in differentiation of goblet and Paneth cells. Life science alliance, 5(4).

Xu R, et al. (2022) Stage-specific H3K9me3 occupancy ensures retrotransposon silencing in human pre-implantation embryos. Cell stem cell, 29(7), 1051.

Kuzuoglu-Ozturk D, et al. (2021) Revealing molecular pathways for cancer cell fitness through a genetic screen of the cancer translome. Cell reports, 35(13), 109321.

Zhu Q, et al. (2019) The Wnt-Driven Mll1 Epigenome Regulates Salivary Gland and Head and Neck Cancer. Cell reports, 26(2), 415.

Aho ER, et al. (2019) Displacement of WDR5 from Chromatin by a WIN Site Inhibitor with Picomolar Affinity. *Cell reports*, 26(11), 2916.

Shah RN, et al. (2018) Examining the Roles of H3K4 Methylation States with Systematically Characterized Antibodies. *Molecular cell*, 72(1), 162.

Li Q, et al. (2018) Bisphenol A and Phthalates Modulate Peritoneal Macrophage Function in Female Mice Involving SYMD2-H3K36 Dimethylation. *Endocrinology*, 159(5), 2216.

Jing D, et al. (2018) Lymphocyte-Specific Chromatin Accessibility Pre-determines Glucocorticoid Resistance in Acute Lymphoblastic Leukemia. *Cancer cell*, 34(6), 906.

Fan Y, et al. (2017) FXR1 regulates transcription and is required for growth of human cancer cells with TP53/FXR2 homozygous deletion. *eLife*, 6.