

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

Anti-monomethyl-Histone H3 (Lys4)

RRID:AB_310614

Type: Antibody

Proper Citation

Millipore Cat# 07-436, RRID:AB_310614

Antibody Information

URL: http://antibodyregistry.org/AB_310614

Proper Citation: Millipore Cat# 07-436, RRID:AB_310614

Target Antigen: monomethyl-Histone H3 (Lys4)

Host Organism: rabbit

Clonality: unknown

Comments: seller recommendations: IgG; IgG IC, IF, Cell Function Assay, WB, ChIP-seq; ChIP; Functional Assay; Immunocytochemistry; Western Blot; Immunofluorescence
Consolidation on 7/2020: AB_310614, AB_10068114.

Antibody Name: Anti-monomethyl-Histone H3 (Lys4)

Description: This unknown targets monomethyl-Histone H3 (Lys4)

Defining Citation: [PMID:25119036](#)

Antibody ID: AB_310614

Vendor: Millipore

Catalog Number: 07-436

Record Creation Time: 20250820T070438+0000

Record Last Update: 20250821T013303+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: DAM1400139 is available under ENCODE ID: ENCAB000ARZ - ENCODE <https://www.encodeproject.org/antibodies/ENCAB000ARZ>

No alerts have been found for Anti-monomethyl-Histone H3 (Lys4).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Namjilsuren S, et al. (2025) The Glc7/PP1 phosphatase triggers Paf1C dissociation from RNA polymerase II to enable transcription termination. bioRxiv : the preprint server for biology.

Boutet M, et al. (2025) Mutations in MLL3 promote breast cancer progression via HIF1?-dependent intratumoral recruitment and differentiation of regulatory T cells. Immunity, 58(8), 2035.

Yagi M, et al. (2025) Bivalent chromatin instructs lineage specification during hematopoiesis. Cell, 188(16), 4314.

Zhu X, et al. (2025) Menin orchestrates macrophage reprogramming to maintain the pulmonary immune homeostasis. Cell reports, 44(1), 115219.

Matsui S, et al. (2024) Pioneer and PRDM transcription factors coordinate bivalent epigenetic states to safeguard cell fate. Molecular cell, 84(3), 476.

Xie SS, et al. (2023) JMJ28 guides sequence-specific targeting of ATX1/2-containing COMPASS-like complex in Arabidopsis. Cell reports, 42(3), 112163.

Wu LY, et al. (2022) Dynamic chromatin state profiling reveals regulatory roles of auxin and cytokinin in shoot regeneration. Developmental cell, 57(4), 526.

Sasaki K, et al. (2022) Visualization of the dynamic interaction between nucleosomal histone H3K9 tri-methylation and HP1? chromodomain in living cells. Cell chemical biology, 29(7), 1153.

Gandara L, et al. (2022) Developmental phenomics suggests that H3K4 monomethylation confers multi-level phenotypic robustness. Cell reports, 41(11), 111832.

Zhang B, et al. (2021) Human placental cytotrophoblast epigenome dynamics over gestation and alterations in placental disease. Developmental cell, 56(9), 1238.

Liu M, et al. (2021) H3K4 di-methylation governs smooth muscle lineage identity and promotes vascular homeostasis by restraining plasticity. Developmental cell, 56(19), 2765.

Li Q, et al. (2020) p53 Integrates Temporal WDR5 Inputs during Neuroectoderm and Mesoderm Differentiation of Mouse Embryonic Stem Cells. *Cell reports*, 30(2), 465.

Lex RK, et al. (2020) GLI transcriptional repression regulates tissue-specific enhancer activity in response to Hedgehog signaling. *eLife*, 9.

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

Guo X, et al. (2018) A Linc1405/Eomes Complex Promotes Cardiac Mesoderm Specification and Cardiogenesis. *Cell stem cell*, 22(6), 893.

Huang Z, et al. (2018) The enhancer RNA Inc-SLC4A1-1 epigenetically regulates unexplained recurrent pregnancy loss (URPL) by activating CXCL8 and NF- κ B pathway. *EBioMedicine*, 38, 162.

Ma Z, et al. (2018) Epigenetic drift of H3K27me3 in aging links glycolysis to healthy longevity in *Drosophila*. *eLife*, 7.