

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

ENCODE Project Antibody validation H3K27me3

RRID:AB_310624

Type: Antibody

Proper Citation

Millipore Cat# 07-449, RRID:AB_310624

Antibody Information

URL: http://antibodyregistry.org/AB_310624

Proper Citation: Millipore Cat# 07-449, RRID:AB_310624

Target Antigen: H3K27me3

Host Organism: rabbit

Clonality: polyclonal

Comments: Rabbit polyclonal. Antibody Target: H3K27me3; Bernstein validation data available from ENCODE.

Antibody Name: ENCODE Project Antibody validation H3K27me3

Description: This polyclonal targets H3K27me3

Target Organism: human

Antibody ID: AB_310624

Vendor: Millipore

Catalog Number: 07-449

Record Creation Time: 20250820T022729+0000

Record Last Update: 20250820T133836+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: Unknown is available under ENCODE ID: ENCAB000AUP - ENCODE

No alerts have been found for ENCODE Project Antibody validation H3K27me3.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 238 mentions in open access literature.

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

Zhou Y, et al. (2026) ERK1/2 function as a central hub safeguarding primed human embryonic stem cell identity via multifaceted regulatory networks. *Cell reports*, 45(7), 117675.

Etoh K, et al. (2026) FOXF1/2 establish a senescence-specific enhancer landscape to activate the pro-inflammatory senescence-associated secretory phenotype. *Molecular cell*, 86(8), 1441.

Rouco R, et al. (2026) Temporal constraints on enhancer usage shape the regulation of limb gene transcription. *Nature communications*, 17(1), 5.

Chen H, et al. (2026) Genome-wide rotational and translational phasing of nucleosomes with human transcription factors. *Molecular cell*, 86(14), 2722.

Zhang MS, et al. (2026) BCAT1-dependent HIF-1 α stabilization is a targetable metabolic vulnerability in hepatocellular carcinoma. *Cell reports. Medicine*, 7(5), 102784.

Caire R, et al. (2026) A 3D morphogenetic blueprint for metastatic outgrowth in breast cancer. *Cell*, 189(12), 3701.

Koulle A, et al. (2026) The chromatin remodeller CHD4 regulates transcription factor binding to both prevent activation of silent enhancers and maintain active regulatory elements. *eLife*, 14.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. *Cancer research*, 85(1), 32.

Cai S, et al. (2025) Methionine regulates maternal-fetal immune tolerance and endometrial receptivity by enhancing embryonic IL-5 secretion. *Cell reports*, 44(2), 115291.

Zhang J, et al. (2025) Thymic dendritic cell-derived IL-27p28 promotes the establishment of functional bias against IFN- γ production in newly generated CD4 $^{+}$ T cells through STAT1-related epigenetic mechanisms. *eLife*, 13.

Matthews RE, et al. (2025) CRAMP1 drives linker histone expression to enable Polycomb repression. *Molecular cell*, 85(13), 2503.

Li J, et al. (2025) Ribosome dysregulation and intervention in age-related infertility. *Cell reports. Medicine*, 6(11), 102424.

Fujii T, et al. (2025) Reconstructing epigenomic dynamics through a single-cell multi-epigenome data integration framework. *Nature communications*, 16(1), 11006.

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

Nakatani T, et al. (2025) RIF1 controls replication timing in early mouse embryos independently of lamina-associated nuclear organization. *Developmental cell*, 60(16), 2149.

Dzwigonska M, et al. (2025) Hypoxic stress dysregulates functions of glioma-associated myeloid cells through epigenomic and transcriptional programs. *Cell reports*, 44(9), 116222.

Zobel M, et al. (2025) A human CAGinSTEM platform for decoding HTT repeats' somatic instability links CAG interruption to HD pathology in neurons. *Cell reports*, 44(12), 116685.

Žukauskaitė D, et al. (2025) Evaluating endometrial response to human chorionic gonadotropin: alterations in epigenetic regulation and extracellular vesicle cargo of endometrial stromal cells. *Human reproduction open*, 2025(3), hoaf051.

Gasparini P, et al. (2025) Germline-somatic liaison dictates cancer subtype via de novo steroid biosynthesis. *Cancer discovery*.

Pal M, et al. (2025) The establishment of nuclear organization in mouse embryos is orchestrated by multiple epigenetic pathways. *Cell*, 188(13), 3583.