Resource Summary Report

Generated by RRID on Sep 11, 2026

Lactyl-Histone H3 (Lys18) Rabbit mAb

RRID:AB_2909438
Type: Antibody

Proper Citation

(PTM BIO Cat# PTM-1406RM, RRID:AB_2909438)

Antibody Information

URL: http://antibodyregistry.org/AB_2909438

Proper Citation: (PTM BIO Cat# PTM-1406RM, RRID:AB_2909438)

Target Antigen: Lactyl-Histone H3 (Lys18)

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: ICC/IF, IHC-P, IP, WB

Antibody Name: Lactyl-Histone H3 (Lys18) Rabbit mAb

Description: This recombinant monoclonal targets Lactyl-Histone H3 (Lys18)

Target Organism: rat, mouse, human

Antibody ID: AB_2909438

Vendor: PTM BIO

Catalog Number: PTM-1406RM

Record Creation Time: 20260311T190851+0000

Record Last Update: 20260828T175943+0000

Ratings and Alerts

No rating or validation information has been found for Lactyl-Histone H3 (Lys18) Rabbit mAb.

No alerts have been found for Lactyl-Histone H3 (Lys18) Rabbit mAb.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Ying X, et al. (2026) m5C-Modified tRF3b-CysGCA-23 Suppresses Bladder Cancer Malignancy by Repressing H3K18 Lactylation via Stabilizing RBM4. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(26), e22294.

Wang X, et al. (2026) Histone lactylation-driven intratumoral IGFBP2+ NK cells promote tumor immune evasion. Cell reports, 45(7), 117612.

Su G, et al. (2026) SIRT6-mediated immunometabolic reprogramming of macrophages drives neutrophilic asthma via LDHA-dependent glycolysis. Cell reports, 45(5), 117294.

Chen S, et al. (2026) Targeting KIF20A blocks lactylation modification to suppress immune escape in hepatocellular carcinoma. iScience, 29(4), 115372.

Li Z, et al. (2025) Lactate shuttling links histone lactylation to adult hippocampal neurogenesis in mice. Developmental cell, 60(8), 1182.

Yang Q, et al. (2025) Lactate regulates cell differentiation of erythroid progenitor cells via histone lactylation modification. iScience, 28(7), 112842.

Ziogas A, et al. (2025) Long-term histone lactylation connects metabolic and epigenetic rewiring in innate immune memory. Cell, 188(11), 2992.

Liu R, et al. (2025) Nuclear GTPSCS functions as a lactyl-CoA synthetase to promote histone lactylation and gliomagenesis. Cell metabolism, 37(2), 377.

Ge X, et al. (2025) Metabolic reprogramming through histone lactylation in microglia and macrophages recruits CD8+ T lymphocytes and aggravates spinal cord injury. Neuron, 113(14), 2280.

Du R, et al. (2024) Sirtuin 1/sirtuin 3 are robust lysine delactylases and sirtuin 1-mediated delactylation regulates glycolysis. iScience, 27(10), 110911.

Li XM, et al. (2024) Histone lactylation inhibits RAR? expression in macrophages to promote colorectal tumorigenesis through activation of TRAF6-IL-6-STAT3 signaling. Cell reports, 43(2), 113688.

Wang Y, et al. (2024) BACH1 changes microglial metabolism and affects astrogenesis during mouse brain development. Developmental cell, 59(1), 108.

Zhang Y, et al. (2024) Macrophage MCT4 inhibition activates reparative genes and protects from atherosclerosis by histone H3 lysine 18 lactylation. Cell reports, 43(5),

114180.

Zang Y, et al. (2024) Hypoxia promotes histone H3K9 lactylation to enhance LAMC2 transcription in esophageal squamous cell carcinoma. iScience, 27(7), 110188.

Shi W, et al. (2024) Lactic acid induces transcriptional repression of macrophage inflammatory response via histone acetylation. Cell reports, 43(2), 113746.

Lin X, et al. (2024) Augmentation of scleral glycolysis promotes myopia through histone lactylation. Cell metabolism, 36(3), 511.

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.

He Y, et al. (2023) Numb/Parkin-directed mitochondrial fitness governs cancer cell fate via metabolic regulation of histone lactylation. Cell reports, 42(2), 112033.

Zhao W, et al. (2023) Progesterone Activates the Histone Lactylation-Hif1?-glycolysis Feedback Loop to Promote Decidualization. Endocrinology, 165(1).

Rho H, et al. (2023) Hexokinase 2-mediated gene expression via histone lactylation is required for hepatic stellate cell activation and liver fibrosis. Cell metabolism, 35(8), 1406.