

Resource Summary Report

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Rabbit Anti-Histone H3 XP??? (ChIP Formulated) Monoclonal Antibody, Unconjugated, Clone D2B12

RRID:AB_1904005

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4620, RRID:AB_1904005

Antibody Information

URL: http://antibodyregistry.org/AB_1904005

Proper Citation: Cell Signaling Technology Cat# 4620, RRID:AB_1904005

Target Antigen: Histone H3

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: ChIP

Antibody Name: Rabbit Anti-Histone H3 XP??? (ChIP Formulated) Monoclonal Antibody, Unconjugated, Clone D2B12

Description: This monoclonal targets Histone H3

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

Clone ID: Clone D2B12

Antibody ID: AB_1904005

Vendor: Cell Signaling Technology

Catalog Number: 4620

Record Creation Time: 20250819T223914+0000

Record Last Update: 20250820T025246+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Histone H3 XP??? (ChIP Formulated) Monoclonal Antibody, Unconjugated, Clone D2B12.

No alerts have been found for Rabbit Anti-Histone H3 XP??? (ChIP Formulated) Monoclonal Antibody, Unconjugated, Clone D2B12.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Jiang J, et al. (2025) Hepatic sphingomyelin phosphodiesterase 3 promotes steatohepatitis by disrupting membrane sphingolipid metabolism. *Cell metabolism*, 37(5), 1119.

Lee SH, et al. (2025) Dynamic decoding of VEGF signaling and coordinated control of multiple phenotypes by the Src-TEM4-YAP pathway. *Cell systems*, 16(7), 101321.

Pelzer N, et al. (2025) PHF19 drives the formation of PRC2 clusters to enhance motility in TNBC cells. *Cell reports*, 44(10), 116391.

Yang Z, et al. (2025) Deficiency of HMGN2 enhances antibacterial activity of macrophages by promoting H3 histone modification-mediated CD14/iNOS expression. *Frontiers in immunology*, 16, 1621440.

Ji L, et al. (2025) Identification of Schizophrenia-Risk Regulatory Variant rs1399178 in the Non-coding Region With Its Impact on NRF1 Binding. *CNS neuroscience & therapeutics*, 31(3), e70275.

Bird SG, et al. (2025) Regulatory Role for Tumor Suppressor REST on Estrogen Receptor (ESR1) Expression and Leiomyoma Pathophysiology. *bioRxiv : the preprint server for biology*.

Chu Y, et al. (2025) Lactate modulates the function of myeloid-derived suppressor cells via Ten-Eleven-Translocation-2-mediated demethylation of glucocorticoid-inducible kinase 1 in lung cancer model. *Frontiers in cell and developmental biology*, 13, 1565993.

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

Deng R, et al. (2024) ISG12a promotes immunotherapy of HBV-associated hepatocellular carcinoma through blocking TRIM21/AKT/ β -catenin/PD-L1 axis. *iScience*, 27(4), 109533.

Sirisereephap K, et al. (2024) A novel macrolide-Del-1 axis to regenerate bone in old age. *iScience*, 27(2), 108798.

Inoue SI, et al. (2024) Short-term cold exposure induces persistent epigenomic memory in brown fat. *Cell metabolism*, 36(8), 1764.

Chen X, et al. (2024) Alarmin S100A8 imparts chemoresistance of esophageal cancer by reprogramming cancer-associated fibroblasts. *Cell reports. Medicine*, 5(6), 101576.

Bassani B, et al. (2024) ZEB1 shapes AML immunological niches, suppressing CD8 T cell activity while fostering Th17 cell expansion. *Cell reports*, 43(2), 113794.

Schwartz L, et al. (2024) Insulin receptor signaling engages bladder urothelial defenses that limit urinary tract infection. *Cell reports*, 43(4), 114007.

Vázquez-Liébanas E, et al. (2024) Mosaic deletion of claudin-5 reveals rapid non-cell-autonomous consequences of blood-brain barrier leakage. *Cell reports*, 43(3), 113911.

Ben-Crentsil NA, et al. (2024) RNA Shielding of p65 Is Required to Potentiate Oncogenic Inflammation in TET2-Mutated Clonal Hematopoiesis. *Cancer discovery*, 14(12), 2509.

Taylor TC, et al. (2023) I?B? is an essential mediator of immunity to oropharyngeal candidiasis. *Cell host & microbe*, 31(10), 1700.

Ikenaka A, et al. (2023) SMN promotes mitochondrial metabolic maturation during myogenesis by regulating the MYOD-miRNA axis. *Life science alliance*, 6(3).

Huang TY, et al. (2023) Phosphoenolpyruvate regulates the Th17 transcriptional program and inhibits autoimmunity. *Cell reports*, 42(3), 112205.

He D, et al. (2022) Disruption of the IL-33-ST2-AKT signaling axis impairs neurodevelopment by inhibiting microglial metabolic adaptation and phagocytic function. *Immunity*, 55(1), 159.