

Resource Summary Report

Generated by ASWG on Aug 10, 2026

Histone H3 (D1H2) XP Rabbit mAb

RRID:AB_10544537

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4499, RRID:AB_10544537

Antibody Information

URL: http://antibodyregistry.org/AB_10544537

Proper Citation: Cell Signaling Technology Cat# 4499, RRID:AB_10544537

Target Antigen: Histone H3

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: WB, IHC-P, IF-IC, FC-FP
Consolidation on 7/2016: AB_10829039, AB_10827643.

Antibody Name: Histone H3 (D1H2) XP Rabbit mAb

Description: This recombinant monoclonal targets Histone H3

Target Organism: monkey, rat, mouse, human

Clone ID: D1H2

Antibody ID: AB_10544537

Vendor: Cell Signaling Technology

Catalog Number: 4499

Alternative Catalog Numbers: 4499P, 4499S, 4499L

Record Creation Time: 20250820T004826+0000

Record Last Update: 20250820T091510+0000

Ratings and Alerts

- Used for cytometry time of flight assay by the Human Islet Research Network community. Contact(s): [Clive Wasserfall](#), [Irina Kusmartseva](#), [Harry Nick](#), [Fabrizio Thorel](#), [Pedro Herrera](#), [Mark Atkinson](#), [Bernd Bodenmiller](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Histone H3 (D1H2) XP Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 330 mentions in open access literature.

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

Wang SZ, et al. (2026) Lipocalin 2 orchestrates resistance to ferroptosis via AXL. Cell reports, 45(3), 116965.

Yang D, et al. (2026) Interleukin 23 promotes a pro-inflammatory Th17 cell state by stabilizing ROR γ t and suppressing glucocorticoid receptor activity. Immunity.

Wu T, et al. (2026) SARM1 executes neuronal parthanatos and promotes excitotoxic cell death. Neuron.

Marmolejo CO, et al. (2026) Precise control of transcription condensates across S phase balances linker histone expression with DNA replication, ensuring genome stability. Molecular cell, 86(4), 640.

Kunitomi H, et al. (2026) eIF4G2-mediated selective translation of chromatin regulators safeguards adult intestinal stem cell identity and differentiation. Cell stem cell, 33(6), 1000.

Xie Y, et al. (2026) QW-5-70 targets the colchicine site and demonstrates antitumor activity in P-gp-overexpressing cancer models. Molecular cancer therapeutics, OF1.

Liang Z, et al. (2026) Tumor cells metabolically resist immune-checkpoint therapy by macrophage efferocytosis-mediated fatty acid recycling. Cancer cell, 44(6), 1235.

Wang Q, et al. (2026) FANCA-dependent FEN1 recruitment suppresses transcription-replication conflicts and PARPi sensitivity. Molecular cell.

Kuser-Abali G, et al. (2026) Cytosolic EZH2-IMPDH2 complexes regulate melanoma progression and metastasis via GTP. Molecular cell, 86(13), 2521.

Abhinand K, et al. (2026) HDAC-driven autophagy repression aids macrophage immune evasion by K. pneumoniae strains displaying classical, MDR, and hypervirulent phenotypes. iScience, 29(8), 116662.

- Qin Z, et al. (2026) Cadherin-engineered microspheres enable scalable biofabrication of multilineage liver organoids. *Trends in biotechnology*.
- Dutta Chowdhury D, et al. (2026) TNIK overexpression is sufficient for chemoradiation resistance in limited-stage small cell lung cancer. *Molecular cancer therapeutics*.
- Assi M, et al. (2026) Extracellular matrix sensing regulates intratumoral heterogeneity of autophagic flux. *Cell*, 189(6), 1731.
- Chen Q, et al. (2026) FOXA1-mediated CEPT1 deficiency in airway epithelium drives asthma via an ER stress-mitochondrial dysfunction axis. *Cell reports*, 45(6), 117368.
- Deng H, et al. (2026) IRF3 attenuates hypoxia signaling by retaining HIF- α in the cytoplasm. *Cell reports*, 45(1), 116815.
- Chung C, et al. (2026) Ancestrally Diverse Autologous Patient-Derived Organoid-Immune Cell Coculture Platform for Addressing Immunotherapeutic Outcome Disparities in High-Grade Endometrial Cancer. *Cancer research communications*, 6(3), 657.
- Kandhaya-Pillai R, et al. (2026) TRF2 enriched cytoplasmic chromatin drives cGAS-STAT1-mediated inflammation in senescence. *iScience*, 29(8), 116770.
- Alhourani F, et al. (2026) Targeting SUV4-20H Epigenetic Enzymes Enhances Topoisomerase II Poisoning in Prostate Cancer. *Cancer research*, 86(1), 236.
- Purohit TA, et al. (2026) Genetic loss of CHD1 regulates distinct histone post-translational modifications in the development of castration-resistant prostate cancer. *Neoplasia (New York, N.Y.)*, 73, 101289.
- Yamanaka S, et al. (2026) An interactome-based framework for DDB1- and CUL4-associated factor prioritization in targeted protein degradation. *Molecular cell*, 86(7), 1397.