

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

HDAC6 (D2E5) Rabbit monoclonal Antibody

RRID:AB_10891804

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 7558, RRID:AB_10891804

Antibody Information

URL: http://antibodyregistry.org/AB_10891804

Proper Citation: Cell Signaling Technology Cat# 7558, RRID:AB_10891804

Target Antigen: HDAC6

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F

Antibody Name: HDAC6 (D2E5) Rabbit monoclonal Antibody

Description: This monoclonal targets HDAC6

Target Organism: monkey, human

Clone ID: D2E5

Antibody ID: AB_10891804

Vendor: Cell Signaling Technology

Catalog Number: 7558

Alternative Catalog Numbers: 7558T, 7558S, 7558P

Record Creation Time: 20250820T010922+0000

Record Last Update: 20250820T101106+0000

Ratings and Alerts

No rating or validation information has been found for HDAC6 (D2E5) Rabbit monoclonal Antibody.

No alerts have been found for HDAC6 (D2E5) Rabbit monoclonal Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Hu W, et al. (2025) High fructose promotes MYCN-amplified neuroblastoma progression through NgBR-ACSS2-mediated biosynthesis of acetyl-CoA. Cell reports, 44(7), 115947.

Arroyo-Gomez J, et al. (2025) Functional landscape of ubiquitin linkages couples K29-linked ubiquitylation to epigenome integrity. The EMBO journal, 44(23), 6944.

Johnson RT, et al. (2024) A microtubule stability switch alters isolated vascular smooth muscle Ca²⁺ flux in response to matrix rigidity. Journal of cell science, 137(21).

Li Y, et al. (2024) Global isonicotinylome analysis identified SMAD3 isonicotinylation promotes liver cancer cell epithelial-mesenchymal transition and invasion. iScience, 27(9), 110775.

Moise K, et al. (2024) Endothelial cell elongation and alignment in response to shear stress requires acetylation of microtubules. Frontiers in physiology, 15, 1425620.

Peterson JJ, et al. (2023) A histone deacetylase network regulates epigenetic reprogramming and viral silencing in HIV-infected cells. Cell chemical biology, 30(12), 1617.

Artcibasova A, et al. (2023) A quantitative model for virus uncoating predicts influenza A infectivity. Cell reports, 42(12), 113558.

Wang L, et al. (2022) Disrupting the HDAC6-ubiquitin interaction impairs infection by influenza and Zika virus and cellular stress pathways. Cell reports, 39(4), 110736.

Craig JM, et al. (2021) Prolactin Drives a Dynamic STAT5A/HDAC6/HMGN2 Cis-Regulatory Landscape Exploitable in ER+ Breast Cancer. Endocrinology, 162(5).

Yang K, et al. (2021) Evaluation of the binding affinity of E3 ubiquitin ligase ligands by cellular target engagement and in-cell ELISA assay. STAR protocols, 2(1), 100288.

Xiong Y, et al. (2021) Chemo-proteomics exploration of HDAC degradability by small molecule degraders. Cell chemical biology, 28(10), 1514.

Yang K, et al. (2020) A Cell-Based Target Engagement Assay for the Identification of Cereblon E3 Ubiquitin Ligase Ligands and Their Application in HDAC6 Degraders. *Cell chemical biology*, 27(7), 866.

Watanabe S, et al. (2020) Aggresome formation and liquid-liquid phase separation independently induce cytoplasmic aggregation of TAR DNA-binding protein 43. *Cell death & disease*, 11(10), 909.

Singh H, et al. (2020) Membrane-Associated α -Tubulin Is Less Acetylated in Postmortem Prefrontal Cortex from Depressed Subjects Relative to Controls: Cytoskeletal Dynamics, HDAC6, and Depression. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(20), 4033.

Huang Z, et al. (2020) Histone deacetylase 6 promotes growth of glioblastoma through the MKK7/JNK/c-Jun signaling pathway. *Journal of neurochemistry*, 152(2), 221.

Latifkar A, et al. (2019) Loss of Sirtuin 1 Alters the Secretome of Breast Cancer Cells by Impairing Lysosomal Integrity. *Developmental cell*, 49(3), 393.

Wang Z, et al. (2019) Acetylation of PHF5A Modulates Stress Responses and Colorectal Carcinogenesis through Alternative Splicing-Mediated Upregulation of KDM3A. *Molecular cell*, 74(6), 1250.

Huang X, et al. (2018) Targeting Epigenetic Crosstalk as a Therapeutic Strategy for EZH2-Aberrant Solid Tumors. *Cell*, 175(1), 186.

Smith Q, et al. (2018) Differential HDAC6 Activity Modulates Ciliogenesis and Subsequent Mechanosensing of Endothelial Cells Derived from Pluripotent Stem Cells. *Cell reports*, 24(4), 895.

Khurana A, et al. (2017) Age-related alterations in histone deacetylase expression in Purkinje neurons of ethanol-fed rats. *Brain research*, 1675, 8.