

Resource Summary Report

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

HDAC2-human

RRID:AB_305706

Type: Antibody

Proper Citation

Abcam Cat# ab7029, RRID:AB_305706

Antibody Information

URL: http://antibodyregistry.org/AB_305706

Proper Citation: Abcam Cat# ab7029, RRID:AB_305706

Target Antigen: HDAC2

Host Organism: rabbit

Clonality: polyclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 1 for not specified; status is awaiting lab characterization

Antibody Name: HDAC2-human

Description: This polyclonal targets HDAC2

Target Organism: homo sapiens

Antibody ID: AB_305706

Vendor: Abcam

Catalog Number: ab7029

Record Creation Time: 20250819T230803+0000

Record Last Update: 20250820T042329+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 1 is available under ENCODE ID: ENCAB950PIQ - ENCODE

No alerts have been found for HDAC2-human.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Jiang Z, et al. (2024) A cocktail of rapamycin, acarbose, and phenylbutyrate prevents age-related cognitive decline in mice by targeting multiple aging pathways. *GeroScience*, 46(5), 4855.

Liu Y, et al. (2023) PD-L1-mediated immune evasion in triple-negative breast cancer is linked to the loss of ZNF652. *Cell reports*, 42(11), 113343.

Gerosa L, et al. (2022) The epilepsy-associated protein PCDH19 undergoes NMDA receptor-dependent proteolytic cleavage and regulates the expression of immediate-early genes. *Cell reports*, 39(8), 110857.

Payne NC, et al. (2022) Resolving the deceptive isoform and complex selectivity of HDAC1/2 inhibitors. *Cell chemical biology*, 29(7), 1140.

Granieri L, et al. (2022) Targeting the USP7/RRM2 axis drives senescence and sensitizes melanoma cells to HDAC/LSD1 inhibitors. *Cell reports*, 40(12), 111396.

Wu D, et al. (2021) An acetyl-histone vulnerability in PI3K/AKT inhibition-resistant cancers is targetable by both BET and HDAC inhibitors. *Cell reports*, 34(7), 108744.

Priya S, et al. (2021) CDX2 inducible microRNAs sustain colon cancer by targeting multiple DNA damage response pathway factors. *Journal of cell science*, 134(15).

Yang J, et al. (2021) TRPS1 drives heterochromatic origin re-firing and cancer genome evolution. *Cell reports*, 34(10), 108814.

Zhao H, et al. (2020) Silencing of microRNA-494 inhibits the neurotoxic Th1 shift via regulating HDAC2-STAT4 cascade in ischaemic stroke. *British journal of pharmacology*, 177(1), 128.

Marques JG, et al. (2020) NuRD subunit CHD4 regulates super-enhancer accessibility in rhabdomyosarcoma and represents a general tumor dependency. *eLife*, 9.

Lu X, et al. (2019) MTA2/NuRD Regulates B Cell Development and Cooperates with OCA-B in Controlling the Pre-B to Immature B Cell Transition. *Cell reports*, 28(2), 472.

van Mierlo G, et al. (2019) Integrative Proteomic Profiling Reveals PRC2-Dependent Epigenetic Crosstalk Maintains Ground-State Pluripotency. *Cell stem cell*, 24(1), 123.

Tang T, et al. (2019) HDAC1 and HDAC2 Regulate Intermediate Progenitor Positioning to Safeguard Neocortical Development. *Neuron*, 101(6), 1117.

Lee JE, et al. (2019) Stress-Induced Epigenetic Changes in Hippocampal Mkp-1 Promote Persistent Depressive Behaviors. *Molecular neurobiology*, 56(12), 8537.

Annunziata I, et al. (2019) MYC competes with MiT/TFE in regulating lysosomal biogenesis and autophagy through an epigenetic rheostat. *Nature communications*, 10(1), 3623.

Roy S, et al. (2018) Oocyte-Derived Factors (GDF9 and BMP15) and FSH Regulate AMH Expression Via Modulation of H3K27AC in Granulosa Cells. *Endocrinology*, 159(9), 3433.

Campbell AE, et al. (2018) NuRD and CAF-1-mediated silencing of the D4Z4 array is modulated by DUX4-induced MBD3L proteins. *eLife*, 7.

Czimmerer Z, et al. (2018) The Transcription Factor STAT6 Mediates Direct Repression of Inflammatory Enhancers and Limits Activation of Alternatively Polarized Macrophages. *Immunity*, 48(1), 75.

Nabeshima R, et al. (2018) Loss of Fam60a, a Sin3a subunit, results in embryonic lethality and is associated with aberrant methylation at a subset of gene promoters. *eLife*, 7.

Durham BS, et al. (2017) Inhibition of histone deacetylase 1 or 2 reduces induced cytokine expression in microglia through a protein synthesis independent mechanism. *Journal of neurochemistry*, 143(2), 214.