

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

HP1-alpha Antibody

RRID:AB_2070987

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2616, RRID:AB_2070987

Antibody Information

URL: http://antibodyregistry.org/AB_2070987

Proper Citation: Cell Signaling Technology Cat# 2616, RRID:AB_2070987

Target Antigen: Cbx1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F, ChIP. Consolidation on 10/2018: AB_10695730, AB_2070987.

Antibody Name: HP1-alpha Antibody

Description: This polyclonal targets Cbx1

Target Organism: rat, mouse, human

Antibody ID: AB_2070987

Vendor: Cell Signaling Technology

Catalog Number: 2616

Record Creation Time: 20250820T042635+0000

Record Last Update: 20250820T185858+0000

Ratings and Alerts

No rating or validation information has been found for HP1-alpha Antibody.

No alerts have been found for HP1-alpha Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Su Z, et al. (2025) Regulation of epigenetics and chromosome structure by human ORC2. Cell reports, 44(6), 115816.

Matthews RE, et al. (2025) CRAMP1 drives linker histone expression to enable Polycomb repression. Molecular cell, 85(13), 2503.

Wu R, et al. (2024) Disruption of nuclear speckle integrity dysregulates RNA splicing in C9ORF72-FTD/ALS. Neuron, 112(20), 3434.

Schvartzman JM, et al. (2023) Oncogenic IDH mutations increase heterochromatin-related replication stress without impacting homologous recombination. Molecular cell, 83(13), 2347.

Ledvin L, et al. (2023) The anaphase-promoting complex controls a ubiquitination-phosphoprotein axis in chromatin during neurodevelopment. Developmental cell, 58(23), 2666.

Liu Z, et al. (2022) Large-scale chromatin reorganization reactivates placenta-specific genes that drive cellular aging. Developmental cell, 57(11), 1347.

Grabowska A, et al. (2022) Activation-induced chromatin reorganization in neurons depends on HDAC1 activity. Cell reports, 38(7), 110352.

Kleene R, et al. (2022) Cell adhesion molecule L1 interacts with the chromo shadow domain of heterochromatin protein 1 isoforms ?, ?, and ? via its intracellular domain. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 36(1), e22074.

Chomiak AA, et al. (2022) Nde1 is required for heterochromatin compaction and stability in neocortical neurons. iScience, 25(6), 104354.

Meharena HS, et al. (2022) Down-syndrome-induced senescence disrupts the nuclear architecture of neural progenitors. Cell stem cell, 29(1), 116.

Sunkel BD, et al. (2021) Evidence of pioneer factor activity of an oncogenic fusion transcription factor. iScience, 24(8), 102867.

Pradhan S, et al. (2021) Depletion of HP1? alters the mechanical properties of MCF7 nuclei. Biophysical journal, 120(13), 2631.

Deng P, et al. (2021) Loss of KDM4B exacerbates bone-fat imbalance and mesenchymal stromal cell exhaustion in skeletal aging. *Cell stem cell*, 28(6), 1057.

Federation AJ, et al. (2020) Highly Parallel Quantification and Compartment Localization of Transcription Factors and Nuclear Proteins. *Cell reports*, 30(8), 2463.

Huo X, et al. (2020) The Nuclear Matrix Protein SAFB Cooperates with Major Satellite RNAs to Stabilize Heterochromatin Architecture Partially through Phase Separation. *Molecular cell*, 77(2), 368.