

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

SUZ12-human

RRID:AB_2196850

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3737, RRID:AB_2196850

Antibody Information

URL: http://antibodyregistry.org/AB_2196850

Proper Citation: Cell Signaling Technology Cat# 3737, RRID:AB_2196850

Target Antigen: SUZ12

Host Organism: rabbit

Clonality: monoclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 3 for HepG2,MCF-7,HeLa-S3,K562,heart,IMR-90,GM12878; status is awaiting lab characterization; The following antibodies were determined to be duplicates and consolidated by curator on 11/2018: AB_10330921, AB_10828723, AB_2196850, AB_2616021.

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: SUZ12-human

Description: This monoclonal targets SUZ12

Target Organism: homo sapiens

Antibody ID: AB_2196850

Vendor: Cell Signaling Technology

Catalog Number: 3737

Record Creation Time: 20250820T053625+0000

Record Last Update: 20250820T215941+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 3 is available under ENCODE ID: ENCAB000BEB - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB000BEB>

No alerts have been found for SUZ12-human.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 82 mentions in open access literature.

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

Chennakesavalu M, et al. (2026) 5-hydroxymethylcytosine deposition mediates Polycomb repressive complex 2 function in MYCN-amplified neuroblastoma. *iScience*, 29(8), 116816.

Ingersoll S, et al. (2026) Self-clustering of three CBX2 molecules drives PRC2 to promote facultative heterochromatinization of Polycomb target genes. *Molecular cell*, 86(6), 1015.

Agius SC, et al. (2026) Accessory subunits of PRC2 mimic H3K27me3 to restrict the spread of Polycomb domains. *Molecular cell*, 86(6), 1032.

Kuser-Abali G, et al. (2026) Cytosolic EZH2-IMPDPH2 complexes regulate melanoma progression and metastasis via GTP. *Molecular cell*, 86(13), 2521.

Cheng R, et al. (2026) Fenofibrate potentiates the therapeutic efficacy of EZH2 inhibitors on melanoma via TRIM21- and OTUD4-mediated EZH2 ubiquitination. *British journal of pharmacology*, 183(11), 2675.

Much C, et al. (2025) Distinct specificity and functions of PRC2 subcomplexes in human stem cells and cardiac differentiation. *Molecular cell*, 85(16), 3057.

Ditzer N, et al. (2025) Epigenome profiling identifies H3K27me3 regulation of extracellular matrix composition in human corticogenesis. *Neuron*.

Žukauskaitė D, et al. (2025) Evaluating endometrial response to human chorionic gonadotropin: alterations in epigenetic regulation and extracellular vesicle cargo of endometrial stromal cells. *Human reproduction open*, 2025(3), hoaf051.

Tatarakis A, et al. (2025) Requirements for establishment and epigenetic stability of mammalian heterochromatin. *Molecular cell*, 85(18), 3388.

Huang T, et al. (2025) Inhibition of PRC2 enables self-renewal of blastoid-competent naive pluripotent stem cells from chimpanzee. *Cell stem cell*, 32(4), 627.

- Trotman JB, et al. (2025) Isogenic comparison of Airn and Xist reveals core principles of Polycomb recruitment by lncRNAs. *Molecular cell*, 85(6), 1117.
- Dong S, et al. (2025) RNA m6A dynamics promote transcription and RNA stability of bivalent genes during iPSC-induced generation of human lung progenitors. *Cell reports*, 44(6), 115802.
- Zeng Y, et al. (2025) EZHIP restricts noncanonical PRC2 binding and regulates H3K27me3 intergenerational inheritance and reprogramming. *Cell stem cell*, 32(11), 1741.
- Lagan E, et al. (2025) A specific form of cPRC1 containing CBX4 is co-opted to mediate oncogenic gene repression in diffuse midline glioma. *Molecular cell*, 85(11), 2110.
- Inoki T, et al. (2025) N-acetyltransferase 10 promotes glioblastoma malignancy via mRNA stabilization of jumonji and AT-rich interaction domain containing 2. *The Journal of biological chemistry*, 301(6), 108544.
- Pelzer N, et al. (2025) PHF19 drives the formation of PRC2 clusters to enhance motility in TNBC cells. *Cell reports*, 44(10), 116391.
- Guo JK, et al. (2024) Denaturing purifications demonstrate that PRC2 and other widely reported chromatin proteins do not appear to bind directly to RNA in vivo. *Molecular cell*.
- Zhang Y, et al. (2024) Metabolic switch regulates lineage plasticity and induces synthetic lethality in triple-negative breast cancer. *Cell metabolism*, 36(1), 193.
- Kim H, et al. (2024) mTOR modulation induces selective perturbations in histone methylation which influence the anti-proliferative effects of mTOR inhibitors. *iScience*, 27(3), 109188.
- Arecco N, et al. (2024) Alternative splicing decouples local from global PRC2 activity. *Molecular cell*, 84(6), 1049.