

# Resource Summary Report

Generated by [RRID](#) on May 11, 2025

## Anti-phospho-Histone H3 (Ser10) Antibody, Mitosis Marker

RRID:AB\_310177

Type: Antibody

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### Proper Citation

(Sigma-Aldrich Cat# 06-570, RRID:AB\_310177)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_310177](http://antibodyregistry.org/AB_310177)

**Proper Citation:** (Sigma-Aldrich Cat# 06-570, RRID:AB\_310177)

**Target Antigen:** phospho-Histone H3 (Ser10)

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Applications: IHC, IP, WB

Rated by ISCC, Intestinal Stem Cell Consortium (check ratings <https://iscc.coh.org/>)

**Antibody Name:** Anti-phospho-Histone H3 (Ser10) Antibody, Mitosis Marker

**Description:** This polyclonal targets phospho-Histone H3 (Ser10)

**Target Organism:** mouse, human

**Antibody ID:** AB\_310177

**Vendor:** Sigma-Aldrich

**Catalog Number:** 06-570

**Record Creation Time:** 20241016T220243+0000

**Record Last Update:** 20241016T220542+0000

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## Ratings and Alerts

- Rated by ISCC, Intestinal Stem Cell Consortium - ISCC  
<https://isccconsortium.org/resourcecatalog/>

No alerts have been found for Anti-phospho-Histone H3 (Ser10) Antibody, Mitosis Marker.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 308 mentions in open access literature.

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

Cigrang M, et al. (2025) Pan-inhibition of super-enhancer-driven oncogenic transcription by next-generation synthetic ecteinascidins yields potent anti-cancer activity. *Nature communications*, 16(1), 512.

Zhang Y, et al. (2024) Elevating PLK1 overcomes BETi resistance in prostate cancer via triggering BRD4 phosphorylation-dependent degradation in mitosis. *Cell reports*, 43(7), 114431.

Nigg JC, et al. (2024) Viral infection disrupts intestinal homeostasis via Sting-dependent NF- $\kappa$ B signaling in *Drosophila*. *Current biology : CB*, 34(13), 2785.

Muñoz S, et al. (2024) SIN3A histone deacetylase action counteracts MUS81 to promote stalled fork stability. *Cell reports*, 43(2), 113778.

Sun J, et al. (2024) Two sequential gene expression programs bridged by cell division support long-distance collective cell migration. *Development (Cambridge, England)*, 151(10).

Rodríguez-Moreno CB, et al. (2024) Azithromycin preserves adult hippocampal neurogenesis and behavior in a mouse model of sepsis. *Brain, behavior, and immunity*, 117, 135.

Darrigrand JF, et al. (2024) Acinar-ductal cell rearrangement drives branching morphogenesis of the murine pancreas in an IGF/PI3K-dependent manner. *Developmental cell*, 59(3), 326.

Longtine C, et al. (2024) Homology and the evolution of vocal folds in the novel avian voice box. *Current biology : CB*, 34(3), 461.

Awad D, et al. (2024) Adipose Triglyceride Lipase Is a Therapeutic Target in Advanced Prostate Cancer That Promotes Metabolic Plasticity. *Cancer research*, 84(5), 703.

Sun D, et al. (2024) SETDB1 regulates short interspersed nuclear elements and chromatin loop organization in mouse neural precursor cells. *Genome biology*, 25(1), 175.

Paul Chowdhuri S, et al. (2024) TDP1 phosphorylation by CDK1 in mitosis promotes MUS81-dependent repair of trapped Top1-DNA covalent complexes. *The EMBO journal*, 43(17), 3710.

Hayashi S, et al. (2024) OLIG2 translocates to chromosomes during mitosis via a temperature downshift: A novel neural cold response of mitotic bookmarking. *Gene*, 891, 147829.

Lopes-Paciencia S, et al. (2024) A senescence restriction point acting on chromatin integrates oncogenic signals. *Cell reports*, 43(4), 114044.

Tan J, et al. (2024) ApoE maintains neuronal integrity via microRNA and H3K27me3-mediated repression. *iScience*, 27(3), 109231.

Carabaña C, et al. (2024) Spatially distinct epithelial and mesenchymal cell subsets along progressive lineage restriction in the branching embryonic mammary gland. *The EMBO journal*, 43(12), 2308.

Tignard P, et al. (2024) Basement membranes are crucial for proper olfactory placode shape, position and boundary with the brain, and for olfactory axon development. *eLife*, 12.

Krotenberg Garcia A, et al. (2024) Cell competition promotes metastatic intestinal cancer through a multistage process. *iScience*, 27(5), 109718.

León NY, et al. (2024) Y chromosome damage underlies testicular abnormalities in ATR-X syndrome. *iScience*, 27(5), 109629.

Liu Z, et al. (2024) Duox activation in *Drosophila* Malpighian tubules stimulates intestinal epithelial renewal through a countercurrent flow. *Cell reports*, 43(4), 114109.

Atsuta Y, et al. (2024) Direct reprogramming of non-limb fibroblasts to cells with properties of limb progenitors. *Developmental cell*, 59(3), 415.