

Resource Summary Report

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Monoclonal Anti-BrdU antibody produced in mouse

RRID:AB_476811

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# B8434, RRID:AB_476811

Antibody Information

URL: http://antibodyregistry.org/AB_476811

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Target Antigen: BrdU antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG1 immunohistochemistry (formalin-fixed, paraffin-embedded sections): 1-2 mug/mL using sections of intestine from mice or rats treated in vivo with BrdU, immunocytochemistry: suitable; Immunohistochemistry; Immunocytochemistry

Antibody Name: Monoclonal Anti-BrdU antibody produced in mouse

Description: This monoclonal targets BrdU antibody produced in mouse

Target Organism: amoeba/protozoa, guinea pig, donkey, c. elegans/worm, reptile, chicken/bird, mouse, non-human primate, bacteria/archaea, drosophila/arthropod, rabbit, other invertebrate, xenopus/amphibian, human, sheep, feline, rat, hamster, porcine, canine, goat, horse, mollusc, plant, other mammalian, bovine, wide range

Antibody ID: AB_476811

Vendor: Sigma-Aldrich

Catalog Number: B8434

Record Creation Time: 20250820T071425+0000

Record Last Update: 20250821T015439+0000

Ratings and Alerts

- Validation information is available. - Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU)
<https://cairibu.urology.wisc.edu/>

No alerts have been found for Monoclonal Anti-BrdU antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Alhourani F, et al. (2026) Targeting SUV4-20H Epigenetic Enzymes Enhances Topoisomerase II Poisoning in Prostate Cancer. *Cancer research*, 86(1), 236.

Wang J, et al. (2026) ATR activity regulates DNA replication and RNA polymerase II transcription during S-phase. *iScience*, 29(8), 116663.

Yusifov E, et al. (2025) The primary cilium gene CPLANE1 is required for peripheral nervous system development. *Developmental biology*, 519, 106.

Jacyniak K, et al. (2025) Squamate ventricular cardiomyocytes: Ploidy, proliferation, and heart muscle cell size in the leopard gecko (*Eublepharis macularius*). *Developmental dynamics : an official publication of the American Association of Anatomists*.

Aizawa H, et al. (2024) Potassium Release From the Habenular Astrocytes Induces Depressive-Like Behaviors in Mice. *Glia*.

Lin L, et al. (2024) Epistatic interactions between NMD and TRP53 control progenitor cell maintenance and brain size. *Neuron*, 112(13), 2157.

Zhu D, et al. (2024) Overabundant endocannabinoids in neurons are detrimental to cognitive function. *bioRxiv : the preprint server for biology*.

Aizawa E, et al. (2023) Epigenetic regulation limits competence of pluripotent stem cell-derived oocytes. *The EMBO journal*, 42(23), e113955.

Zhu F, et al. (2023) The orphan receptor Nur77 binds cytoplasmic LPS to activate the non-canonical NLRP3 inflammasome. *Immunity*, 56(4), 753.

Moon JE, et al. (2022) Chromosome silencing in vitro reveals trisomy 21 causes cell-autonomous deficits in angiogenesis and early dysregulation in Notch signaling. *Cell reports*, 40(6), 111174.

Söderhäll I, et al. (2022) Characterization of hemocytes and hematopoietic cells of a freshwater crayfish based on single-cell transcriptome analysis. *iScience*, 25(8), 104850.

Klein I, et al. (2022) Glia from the central and peripheral nervous system are differentially affected by paclitaxel chemotherapy via modulating their neuroinflammatory and neuroregenerative properties. *Frontiers in pharmacology*, 13, 1038285.

Wang J, et al. (2021) Protocol for analysis of G2/M DNA synthesis in human cells. *STAR protocols*, 2(2), 100570.

Wang J, et al. (2021) Persistence of RNA transcription during DNA replication delays duplication of transcription start sites until G2/M. *Cell reports*, 34(7), 108759.

Vay SU, et al. (2021) Osteopontin regulates proliferation, migration, and survival of astrocytes depending on their activation phenotype. *Journal of neuroscience research*, 99(11), 2822.

Biswas R, et al. (2021) Mechanical instability of adherens junctions overrides intrinsic quiescence of hair follicle stem cells. *Developmental cell*, 56(6), 761.

Vazifekkhah S, et al. (2020) Evaluation of the ameliorative effects of oral administration of metformin on epileptogenesis in the temporal lobe epilepsy model in rats. *Life sciences*, 257, 118066.

Cheng Y, et al. (2020) NeuroD1 Dictates Tumor Cell Differentiation in Medulloblastoma. *Cell reports*, 31(12), 107782.

Czermiński JT, et al. (2020) Silencing Trisomy 21 with XIST in Neural Stem Cells Promotes Neuronal Differentiation. *Developmental cell*, 52(3), 294.

Li S, et al. (2020) SFTSV Infection Induces BAK/BAX-Dependent Mitochondrial DNA Release to Trigger NLRP3 Inflammasome Activation. *Cell reports*, 30(13), 4370.