Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 24, 2024

BrdU

RRID:AB_609568
Type: Antibody

Proper Citation

(Bio-Rad Cat# OBT0030, RRID:AB_609568)

Antibody Information

URL: http://antibodyregistry.org/AB_609568

Proper Citation: (Bio-Rad Cat# OBT0030, RRID:AB_609568)

Clonality: unknown

Antibody Name: BrdU

Description: This unknown targets

Defining Citation: PMID:16736467

Antibody ID: AB_609568

Vendor: Bio-Rad

Catalog Number: OBT0030

Ratings and Alerts

No rating or validation information has been found for BrdU.

Warning: ***Extracted Antibody Information:*** "In order to expose the proliferation markers, tissue sections were pretreated to break double-stranded DNA into single strands, by incubation in 2 N HCl in PB containing 0.3% Triton X-100 (PB-T) for 50 min. After rinsing in PB (3 × 10 min), sections were incubated overnight at 40°C in both rat anti BrdU-CldU (AbD Serotec Cat# OBT0030, RRID:***AB_609568***;"

Extracted Specificity Statement: "On the other hand, the rat anti-BrdU antibody, but not the mouse anti-BrdU monoclonal antibody, detects CldU in tissue samples from animals

exposed to this thymidine analog (Vega and Peterson, 2005). ***Cross reactivity*** of primary antibodies with the thymidine analogs was tested by incubation of sections of CldU only and IdU only treated animals with anti-IdU or anti-CldU antibodies, respectively (followed by incubation in the corresponding secondary antibodies; Supplementary Figure 1)."

Data was mined by Antibody Watch (https://arxiv.org/pdf/2008.01937.pdf), from ***PMID:25249943***

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Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 60 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Pappas G, et al. (2023) MDC1 maintains active elongation complexes of RNA polymerase II. Cell reports, 42(1), 111979.

Leiter O, et al. (2023) Platelet-derived exerkine CXCL4/platelet factor 4 rejuvenates hippocampal neurogenesis and restores cognitive function in aged mice. Nature communications, 14(1), 4375.

Campos-Ordoñez T, et al. (2023) Normal pressure hydrocephalus decreases the proliferation of oligodendrocyte progenitor cells and the expression of CNPase and MOG proteins in the corpus callosum before behavioral deficits occur. Experimental neurology, 365, 114412.

Leiter O, et al. (2022) Selenium mediates exercise-induced adult neurogenesis and reverses learning deficits induced by hippocampal injury and aging. Cell metabolism, 34(3), 408.

Smith BM, et al. (2022) Oral and Injected Tamoxifen Alter Adult Hippocampal Neurogenesis in Female and Male Mice. eNeuro, 9(2).

Egger T, et al. (2022) A clinically relevant heterozygous ATR mutation sensitizes colorectal cancer cells to replication stress. Scientific reports, 12(1), 5422.

Vega-Riquer JM, et al. (2022) Phenytoin promotes the proliferation of oligodendrocytes and enhances the expression of myelin basic protein in the corpus callosum of mice demyelinated by cuprizone. Experimental brain research, 240(5), 1617.

Zampetidis CP, et al. (2021) A recurrent chromosomal inversion suffices for driving escape from oncogene-induced senescence via subTAD reorganization. Molecular cell, 81(23), 4907.

Karlsson L, et al. (2021) Constitutive PGC-1? Overexpression in Skeletal Muscle Does Not Contribute to Exercise-Induced Neurogenesis. Molecular neurobiology, 58(4), 1465.

Adusumilli VS, et al. (2021) ROS Dynamics Delineate Functional States of Hippocampal Neural Stem Cells and Link to Their Activity-Dependent Exit from Quiescence. Cell stem cell, 28(2), 300.

Kälin RE, et al. (2021) TAMEP are brain tumor parenchymal cells controlling neoplastic angiogenesis and progression. Cell systems, 12(3), 248.

Wang LL, et al. (2021) Revisiting astrocyte to neuron conversion with lineage tracing in vivo. Cell, 184(21), 5465.

Tai W, et al. (2021) In vivo reprogramming of NG2 glia enables adult neurogenesis and functional recovery following spinal cord injury. Cell stem cell, 28(5), 923.

Nakashima H, et al. (2021) MeCP2 controls neural stem cell fate specification through miR-199a-mediated inhibition of BMP-Smad signaling. Cell reports, 35(7), 109124.

Biber S, et al. (2020) Multiple biochemical properties of the p53 molecule contribute to activation of polymerase iota-dependent DNA damage tolerance. Nucleic acids research, 48(21), 12188.

Connolly MG, et al. (2020) Toll-like receptor 4 differentially regulates adult hippocampal neurogenesis in an age- and sex-dependent manner. Hippocampus, 30(9), 958.

Nacson J, et al. (2020) BRCA1 Mutational Complementation Induces Synthetic Viability. Molecular cell, 78(5), 951.

Shen Y, et al. (2020) Reduction of Liver Metastasis Stiffness Improves Response to Bevacizumab in Metastatic Colorectal Cancer. Cancer cell, 37(6), 800.

Jadhav U, et al. (2020) Replicational Dilution of H3K27me3 in Mammalian Cells and the Role of Poised Promoters. Molecular cell, 78(1), 141.

Zhang R, et al. (2019) Id4 Downstream of Notch2 Maintains Neural Stem Cell Quiescence in the Adult Hippocampus. Cell reports, 28(6), 1485.