Resource Summary Report

Generated by RRID on Aug 10, 2026

BrdU

RRID:AB_400326
Type: Antibody

Proper Citation

BD Biosciences Cat# 347580, RRID:AB_400326

Antibody Information

URL: http://antibodyregistry.org/AB_400326

Proper Citation: BD Biosciences Cat# 347580, RRID:AB_400326

Target Antigen: BrdU

Host Organism: mouse

Clonality: monoclonal

Comments: vendor suggested use: IgG1 Flow Cytometry; Flow Cytometry

Antibody Name: BrdU

Description: This monoclonal targets BrdU

Defining Citation: PMID:17120293, PMID:17206615, PMID:17048225, PMID:17278139, PMID:19048639, PMID:17245711, PMID:19107806, PMID:18300261, PMID:18803241, PMID:21192082, PMID:1804177

Antibody ID: AB_400326

Vendor: BD Biosciences

Catalog Number: 347580

Record Creation Time: 20250820T063627+0000

Record Last Update: 20250821T003138+0000

Ratings and Alerts

No rating or validation information has been found for BrdU.

Warning: ***Extracted Antibody Information:*** "clone BU1/75; ICR1) and mouse anti BrdU-IdU (BD Biosciences Cat# 347580, RRID:***AB_400326***,"

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***
vendor suggested use: IgG1 Flow Cytometry; Flow Cytometry

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 149 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Milano L, et al. (2026) BRCA2-dependent maturation of nascent strands during DNA replication. Molecular cell, 86(8), 1427.

Planas-Paz L, et al. (2026) Targeting ATR signaling in sarcoma with homologous recombination deficiency. Cancer letters, 642, 218300.

Cui S, et al. (2026) Ski2-like helicase ASCC3 unwinds DNA upon fork stalling to control replication stress responses. Cell reports, 45(3), 117051.

Lier S, et al. (2026) CDK12/CDK13 inhibition disrupts transcriptional elongation and replication??fork progression in glioblastoma. EMBO molecular medicine, 18(5), 1592.

Li S, et al. (2026) Microhomology-mediated end joining acts directly on replication forks to repair single-ended double-strand breaks. Molecular cell, 86(7), 1230.

Spindler J, et al. (2026) SLX4IP limits replication stress globally and at ALT telomeres. The EMBO journal, 45(12), 4176.

Safari M, et al. (2026) Combined HDAC and eIF4A inhibition: A novel epigenetic therapy for pancreatic ductal adenocarcinoma. Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy, 84, 101312.

Sahoo S, et al. (2026) RAD51C-XRCC3 complex regulates FANCM-mediated R-loop resolution to safeguard genome integrity. Science advances, 12(8), eaea5932.

Zhang J, et al. (2026) RNA exonuclease REXO4 resolves m6A-marked R-loops and suppresses anti-tumor immunity. Molecular cell.

Bhattacharya D, et al. (2026) A Quantitative DNA Fiber Assay to Monitor Replication Fork Progression, Protection, and Restart. Bio-protocol, 16(3), e5593.

Buzo K, et al. (2026) WEE1 kinase inhibition to overcome acquired resistance to targeted therapies in colorectal cancer. EMBO molecular medicine, 18(6), 2322.

Wang Q, et al. (2026) FANCA-dependent FEN1 recruitment suppresses transcription-replication conflicts and PARPi sensitivity. Molecular cell.

Pan B, et al. (2026) Cell-cycle-dependent regulation of DNA end resection by PLK1 and PLK3 without CtIP level modulation. iScience, 29(7), 116450.

Spence NJ, et al. (2025) Olfactory bulb interneurons - The developmental timeline and targeting defined by embryonic neurogenesis. Molecular and cellular neurosciences, 133, 104007.

Duzanic FD, et al. (2025) H2BK120ub and its reader RNF169 sequentially regulate replication fork remodeling and stability. The EMBO journal, 44(22), 6598.

Calzetta NL, et al. (2025) Endogenous p21 levels protect genomic stability by suppressing both excess and restrained nascent DNA syntheses. Science advances, 11(41), eadw4618.

Miao J, et al. (2025) KIF18A promotes chromosome congression in cooperation with CENP-E downstream of CENP-C. Cell reports, 44(11), 116515.

Bhattacharya D, et al. (2025) RNF20-mediated H2B monoubiquitination protects stalled forks from degradation and promotes fork restart. EMBO reports, 26(15), 3773.

Blanchard AC, et al. (2025) Mast cells proliferate in the peri-hippocampal space during early development and modulate local and peripheral immune cells. Developmental cell, 60(6), 853.

Brandariz J, et al. (2025) Harnessing Senolytics and PARP Inhibition to Expand the Antitumor Activity of CDK4/6 Inhibitors in Prostate Cancer. Molecular cancer therapeutics, 24(12), 1959.