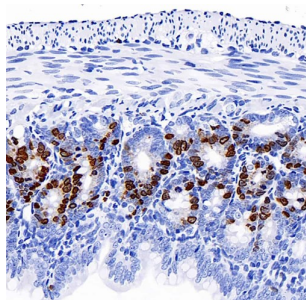
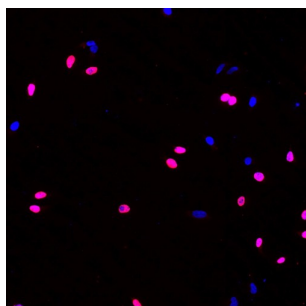


## Bromodeoxyuridine (BrdU) Antibody

Catalogue No.: abx000064



Immunohistochemistry analysis of paraffin-embedded mouse jejunum (intraperitoneal injection BrdU every 2 hours for 4 times) using BrdU Monoclonal Antibody (1/300 dilution).



Immunofluorescence analysis of HeLa cells (treated with 0.03mg/ml BrdU for 40 min) using BrdU Monoclonal Antibody (1/100 dilution).

BrdU Antibody is a Mouse Monoclonal antibody against BrdU. The halogenated pyrimidine thymidine analog bromodeoxyuridine (BrdU) is incorporated into newly synthesized DNA strands of S phase cells and is useful for estimating the fraction of cells in S phase. Additionally, the analysis of the uptake of BrdU is a reliable method to quantitate the degree of DNA synthesis. BrdU is also useful for studying sister chromatid exchange and to isolate nascent DNA. UV-induced excision-repair synthesis is one method for incorporating BrdU into cellular DNA. Anti-BrdU antibodies bind to the exposed BrdU in single-stranded DNA after a hydrochloric acid denaturation step or nuclease digestion. Protease antigen recovery is necessary for most tissues or cells fixed with cross-linking agents such as formalin but may decrease the specificity of BrdU immunodetection. The monoclonal antibody Bu20a against BrdU stains BrdU incorporated into the nuclei of a wide range of proliferating cell types including human tumors growing in nude mice and tonsil lymphoid.

**Target:** Bromodeoxyuridine (BrdU)

**Clonality:** Monoclonal

**Reactivity:** Human, Mouse, Rat

**Tested Applications:** IHC, IF/ICC

**Host:** Mouse

**Recommended dilutions:** IHC-P: 1/100 - 1/500, IF/ICC: 1/100 - 1/500. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** KLH conjugated BrdU

# Datasheet

Version: 3.0.0

Revision date: 02 May 2025



|                       |                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Isotype:</b>       | IgG                                                                                                                                        |
| <b>Form:</b>          | Liquid                                                                                                                                     |
| <b>Purification:</b>  | Purified by affinity chromatography.                                                                                                       |
| <b>Storage:</b>       | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                             |
| <b>Gene Symbol:</b>   | BRDU                                                                                                                                       |
| <b>Buffer:</b>        | PBS, pH 7.4, containing 1% protective protein, 0.02% sodium azide, 50% glycerol.                                                           |
| <b>Concentration:</b> | 0.7 mg/ml                                                                                                                                  |
| <b>Note:</b>          | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |

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