

### Anti-BrdU antibody [MoBu-1] ab8039

[28 References](#) [4 图像](#)

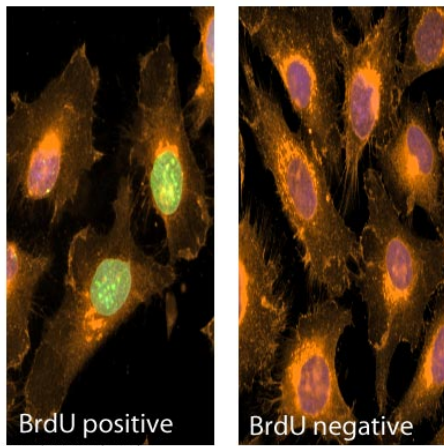
#### 概述

<b>产品名称</b>	Anti-BrdU抗体[MoBu-1]
<b>描述</b>	小鼠单克隆抗体[MoBu-1] to BrdU
<b>宿主</b>	Mouse
<b>特异性</b>	This antibody reacts specifically with BrdU incorporated into DNA during S-phase of a cell cycle. It is useful for detecting proliferating cells by flow cytometry or immunofluorescence staining. The reaction shows a clear, nuclear confined speckled pattern. It reacts also specifically with 5-bromouridine (BrU).
<b>经测试应用</b>	<b>适用于:</b> IHC-P, ICC/IF, Flow Cyt (Intra)
<b>种属反应性</b>	<b>与反应:</b> Species independent
<b>免疫原</b>	Chemical/ Small Molecule corresponding to BrdU.
<b>常规说明</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

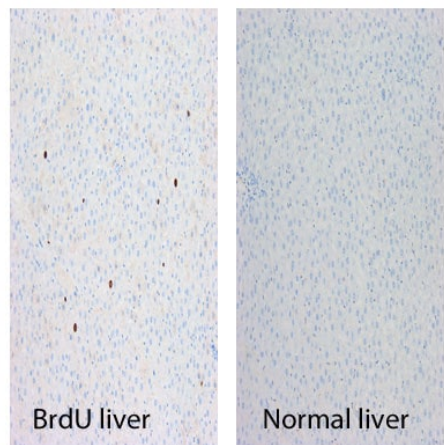
<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>存储溶液</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
<b>纯度</b>	Protein A purified
<b>纯化说明</b>	>95 % (by PAGE).
<b>克隆</b>	单克隆
<b>克隆编号</b>	MoBu-1
<b>同种型</b>	IgG1





Immunocytochemistry/ Immunofluorescence - Anti-BrdU antibody [MoBu-1] (ab8039)

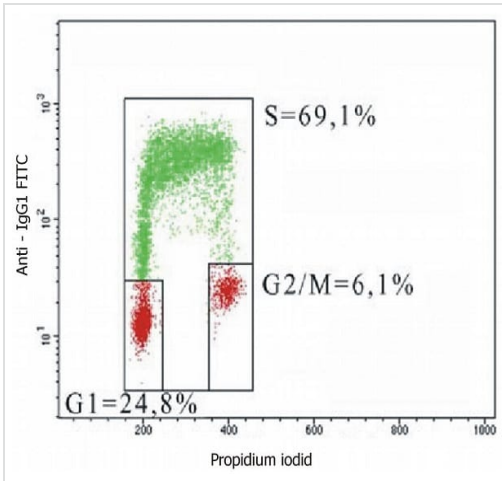
ICC/IF image of ab8039 stained HeLa cells, both BrdU treated (left image) and normal cells (right image). The cells were 100% methanol fixed (5 min) and then subjected to acid hydrolysis using 2M HCL in 0.1% PBS-Tween for 30 minutes at room temperature to denature the DNA. They were then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab8039, 10µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96879**, DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. Positive staining can be seen in the BrdU treated cells, but not in the normal cells, demonstrating specificity for BrdU.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BrdU antibody [MoBu-1] (ab8039)

IHC image of ab8039 staining, both in normal and BrdU treated rat liver formalin fixed paraffin embedded tissue sections, performed on a Leica Bond

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Flow Cytometry (Intracellular) - Anti-BrdU antibody  
[MoBu-1] (ab8039)

Intracellular Flow Cytometry analysis of CEM (human acute lymphoblastic leukemia) cells labelling BrdU with ab8039 at 1 µg/mL. Goat anti-mouse IgG was used as the secondary antibody. The individual cell cycle phases (S, G1, G2/M-phase) are indicated on the figure.

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