

### Biotin Anti-BrdU antibody ab2284

★★★★★ [6 Abreviews](#) [47 References](#) [4 图像](#)

#### 概述

产品名称	生物素Anti-BrdU抗体
描述	生物素羊多克隆抗体to BrdU
宿主	Sheep
偶联物	Biotin
经测试应用	适用于: IHC-P, IHC-Fr, ICC/IF, ELISA, IHC-FoFr
种属反应性	与反应: Species independent
免疫原	Chemical/ Small Molecule corresponding to BrdU conjugated to keyhole limpet haemocyanin.
常规说明	<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

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.50 Constituent: 0.4% PBS
纯度	Protein G purified
克隆	多克隆
同种型	IgG

#### 应用

**The Abpromise guarantee** Abpromise™ 承诺保证使用ab2284于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (3)	Use at an assay dependent concentration.
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration. Fixation in cold methanol for 30 minutes followed by immersion in $7 \times 10^{-3}$ N NaOH for 10-15 seconds allows BrdU staining with the simultaneous detection of nuclear cytoplasmic and membrane assigns as well as preservation of morphological detail.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration. dilute from 1/500 to 1/40,000 against 1mg/mL BrdU analyte.
IHC-FoFr	★★★★★ (1)	1/2000. 1/2000 (see Abreview).

## 靶标

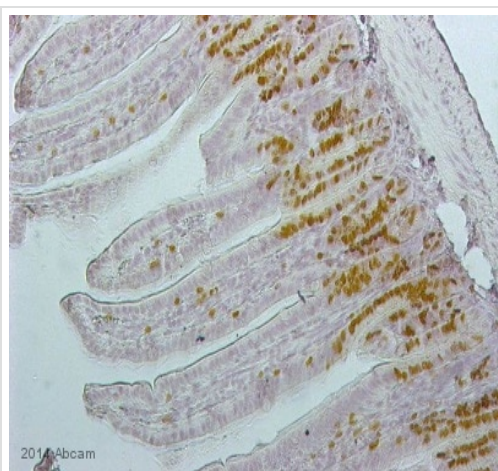
### 相关性

The immunocytochemical detection of bromodeoxyuridine (BrdU) incorporated into DNA is a powerful tool to study the cytokinetics of normal and neoplastic cells. In vitro or in vivo labeling of tumor cells with the thymidine analogue BrdU and the subsequent detection of incorporated BrdU with specific anti-BrdU monoclonal antibodies is an accurate and comprehensive method to quantitate the degree of DNA-synthesis. BrdU is incorporated into the newly synthesized DNA of S-phase cells may provide an estimate for the fraction of cells in S-phase. Also dynamic proliferative information such as the S-phase transit rate and the potential doubling time can be obtained, by means of bivariate BrdU/DNA flow cytometric analysis.

### 细胞定位

Nuclear

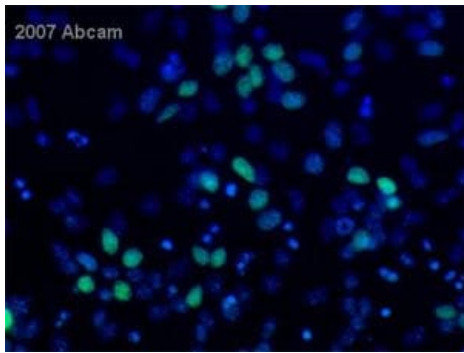
## 图片



ab2284 staining BrdU in mouse intestine tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 1% H<sub>2</sub>O<sub>2</sub> in methanol for 12 minutes; antigen retrieval was by heat mediation in 10mM citrate, pH6. Samples were incubated with primary antibody (1/100) for 24 hours at 4°C.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Biotin Anti-BrdU antibody (ab2284)

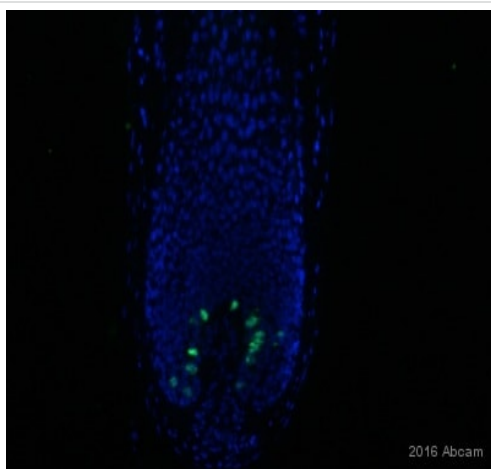
This image is courtesy of an anonymous Abreview



Immunocytochemistry/ Immunofluorescence - Biotin  
Anti-BrdU antibody (ab2284)

This image is courtesy of an anonymous Abreview

ab2284 at 1/250 staining primary E12 mouse cortex cells by ICC/IF. The cells were paraformaldehyde fixed, blocked with serum and then incubated with the antibody for 24 hours. Streptavidin conjugated to Alexa-Fluor® 488 was used as the secondary. The image shows BrdU staining with nuclei counterstained with DAPI.



Immunohistochemistry (Frozen sections) - Biotin  
Anti-BrdU antibody (ab2284)

This image is courtesy of an Abreview submitted by  
Ahmar Aziz

ab2284 staining BrdU in Mouse skin tissue sections by Immunohistochemistry (IHC-Fr - frozen sections). Tissue was fixed with acetone and blocked with 10% serum for 30 minutes. Samples were incubated with primary antibody (1/50 in PBS) for 12 hours at 4°C. A Streptavidin Alexa Fluor® 488-conjugated Goat polyclonal (1/500) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Biotin Anti-BrdU antibody  
(ab2284)

This image is courtesy of an Abreview submitted by Dr  
Christoph Schwarzer

ab2284 at 1/2000 dilution staining mouse free floating brain slices by Immunohistochemistry (Formalin/PFA fixed sections). The mice were treated with 100mg/kg BrdU 2 hours before fixation. Free floating 40µm vibratome sections were obtained from paraformaldehyde fixed brains, these were incubated with the antibody for 24 hours. A streptavidin-HRP complex and DAB were used for detection. The image depicts the subventricular zone.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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