SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-BrdU antibody

SL0489R

Product Name:	BrdU
Chinese Name:	5-溴脱氧尿嘧啶核苷抗体
Alias:	Bromodeoxyuridine; Bromodeoxyuridine; 5-Bromo-2′-deoxyuridine; 5-BrdU; Proliferation Marker; 5-Bromo-2-deoxyUridine.
文献引用 PubMed :	**Specific References(2)**|SL0489R has been referenced in 2 publications. **[IF=2.34]**Zhang, Rui, et al. "Neuroprotective Effects of Sulforaphane on Cholinergic Neurons in Mice with Alzheimer's Disease-Like Lesions." International Journal of Molecular Sciences 15.8 (2014): 14396-14410.**IHC-P;Mouse**. PubMed:25196440 **[IF=3.73]**Giuliani, Daniela, et al. "NDP-α-MSH induces intense neurogenesis and cognitive recovery in Alzheimer transgenic mice through activation of melanocortin MC 4 receptors." Molecular and Cellular Neuroscience (2015).**IHC-P;Mouse**. PubMed:26003413
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	BrdU
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	BrdU conjugated to KLH:

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Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 synthezised 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 **Subcellular Location:** Nuclear. **SWISS:** N/A **CAS:** 59-14-3 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Proliferation Marker BrdU(溴化脱氧尿嘧啶核苷)可以在体内和体外掺入到处于S期的细胞所合成的DNA链中。此抗体可以与掺入到任何种属细胞中的BrdU反应，与碘脱氧尿嘧啶有React Species，标记掺有BrdU的S期细胞，主要用于研究各种不同的因素对正常/Tumour组织的细胞增殖及动力学的研究。 用FITC标记的抗BrdU IgG可用于流式细胞术定量检测增值细胞。

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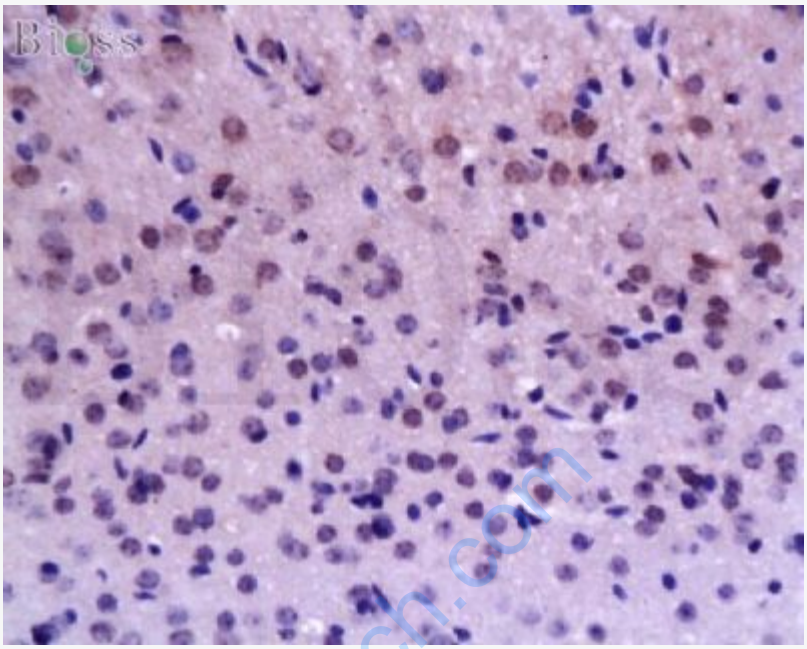
Picture:	 Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-Brdu Polyclonal Antibody, Unconjugated(SL0489R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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