

# Product Datasheet

## **Bromodeoxyuridine/BrdU Antibody (MoBu-1) - Azide and BSA Free** **NBP2-68041**

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-68041**

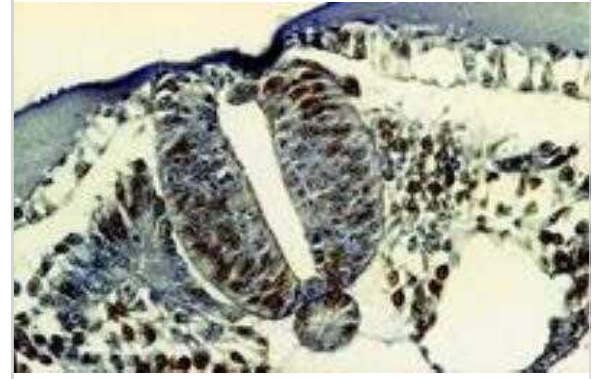
Bromodeoxyuridine/BrdU Antibody (MoBu-1) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MoBu-1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NB500-439).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Species	Non-species specific
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 26067754).
Specificity/Sensitivity	It reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU. BrdU is a thymidine analog, incorporated into cell nuclei during DNA synthesis prior to mitosis. Antibody to BrdU is helpful in detecting S-phase cells, providing useful information on the aggressiveness of tumors.
Immunogen	Bromodeoxyuridine/BrdU conjugated to hemocyanine (isolated from Helix pomatia)
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5 - 1.0 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. For staining of formalin-fixed tissues, incubate sections in 4N HCl for 30 minutes at RT followed by digestion with trypsin at 1mg/ml PBS, 10 min at 37C. Optimal dilution for a specific application should be determined.

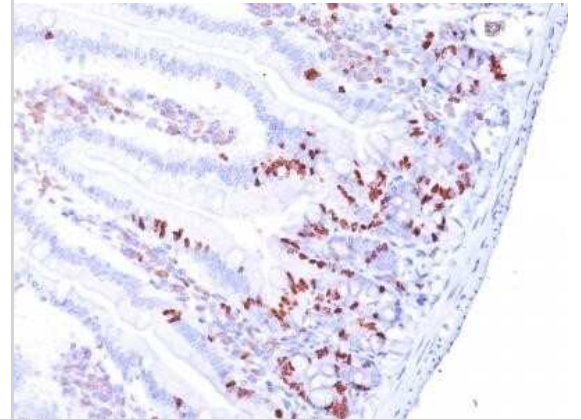


## Images

Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (MoBu-1) - Azide and BSA Free [NBP2-68041] - Staining of bromodeoxyuridine/BrdU-labeled cells (chick embryo; paraffin-embedded sections)



Immunohistochemistry-Paraffin: Bromodeoxyuridine/BrdU Antibody (MoBu-1) - Azide and BSA Free [NBP2-68041] - Bromodeoxyuridine/BrdU Antibody (MoBu-1) [NBP2-68041] - Formalin-fixed, paraffin-embedded Mouse Small Intestine stained with BrdU Monoclonal Antibody (MoBu-1).





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### **Products Related to NBP2-68041**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP3-07125	Bromodeoxyuridine/BrdU MCF-7 Cell Line Slides (Adult Adenocarcinoma)- Paraffin

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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