

Product Datasheet

Bromodeoxyuridine/BrdU Antibody (BRD494) NBP2-32920-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-32920-0.1mg

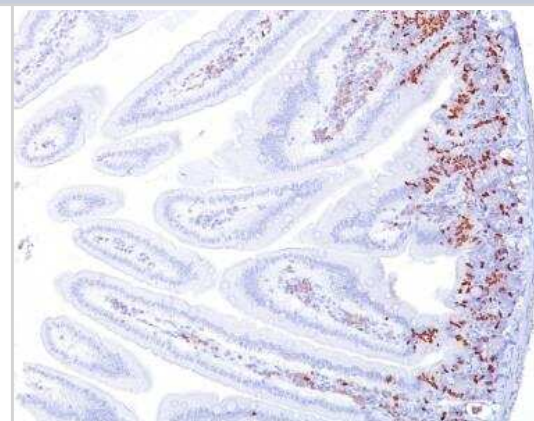
Bromodeoxyuridine/BrdU Antibody (BRD494)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	BRD494
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34566) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Species	Non-species specific
Marker	Proliferation Marker
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 KLH
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry 0.5-1 ug/ml, Immunocytochemistry/ Immunofluorescence 0.5-1 ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml
Application Notes	Immunohistology (Formalin-fixed): 0.5-1ug/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-Paraffin: Bromodeoxyuridine/BrdU Antibody (BRD494) [NBP2-32920] - Formalin-fixed, paraffin-embedded Mouse Small Intestine stained with BrdU Monoclonal Antibody (BRD494).



Publications

Nino DF, Sodhi CP, Egan CE et al. Retinoic Acid Improves Incidence and Severity of Necrotizing Enterocolitis by Lymphocyte Balance Restitution and Repopulation of LGR5+ Intestinal Stem Cells. Shock 2017-01-01 [PMID: 27488085] (IF/IHC, Mouse)

Egan CE, Sodhi CP, Good M et al. Toll-like receptor 4-mediated lymphocyte influx induces neonatal necrotizing enterocolitis. J. Clin. Invest. 2015-12-21 [PMID: 26690704] (IHC-P)



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Products Related to NBP2-32920-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP3-07125	Bromodeoxyuridine/BrdU MCF-7 Cell Line Slides (Adult Adenocarcinoma)- Paraffin

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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