

Product Datasheet

Bromodeoxyuridine/BrdU Antibody (MoBu-1) NB500-439

Unit Size: 0.1 mg

Store at 4C.

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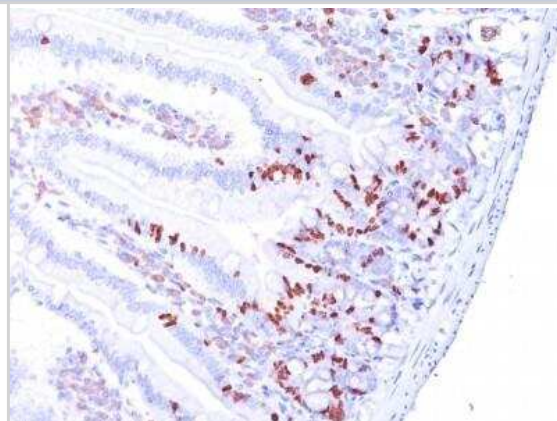
NB500-439**Bromodeoxyuridine/BrdU Antibody (MoBu-1)**

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MoBu-1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
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. (NBP2-68041) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
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 hemocyanine (isolated from Helix pomatia)
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
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-Paraffin: Bromodeoxyuridine/BrdU Antibody (MoBu-1) [NB500-439] - Mouse Small Intestine stained with BrdU Monoclonal Antibody (MoBu-1).



Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (MoBu-1) [NB500-439] - Staining of bromodeoxyuridine/BrdU-labeled cells (chick embryo; paraffin-embedded sections)



Publications

Castillo-Azofeifa D, Wald T, Reyes EA et al. A DLG1-ARHGAP31-CDC42 axis is essential for the intestinal stem cell response to fluctuating niche Wnt signaling Cell stem cell 2023-01-05 [PMID: 36640764] (IHC-Fr, IHC-P, Mouse)

Abedin MR, Powers K, Aiardo R et al. Antibody-drug nanoparticle induces synergistic treatment efficacies in HER2 positive breast cancer cells Sci Rep 2021-04-02 [PMID: 33795712]

Details:

Citation using the IHC-Prediluted format of this antibody.

Garcia L. Molecular dissection of prefrontal cortex development in health and disease: How serotonin makes up our mind Thesis 2019-07-09 (IF/IHC, Non-species specific)

Xie MQ, Chen ZC, Zhang P et al. Newborn dopaminergic neurons are associated with the migration and differentiation of SVZ-derived neural progenitors in a 6-hydroxydopamin-injected mouse model. Neuroscience. 2017-04-04 [PMID: 28385636] (IF/IHC, Mouse)

Kollareddy M, Dimitrova E, Vallabhaneni KC et al. Regulation of nucleotide metabolism by mutant p53 contributes to its gain-of-function activities Nat Commun. 2015-06-13 [PMID: 26067754] (ICC/IF, Human)

Zhang P, Xie MQ, Ding YQ et al. Allopregnanolone enhances the neurogenesis of midbrain dopaminergic neurons in APP^{sw}/PSEN1 mice Neuroscience. 2015-01-27 [PMID: 25637494] (IF/IHC, Mouse)

Adeosun SO, Hou X, Jiao Y et al. Source Allopregnanolone Reinstates Tyrosine Hydroxylase Immunoreactive Neurons and Motor Performance in an MPTP-Lesioned Mouse Model of Parkinson's Disease PLoS One 2012-01-01 [PMID: 23209637] (ICC/IF, IF/IHC)

Hasegawa A, Liu H, Ling B et al. The level of monocyte turnover predicts disease progression in the macaque model of AIDS. Blood 2009-01-01 [PMID: 19383966]

Sun C, Ou X, Farley JM, Stockmeier C, Bigler S, Brinton RD, Wang JM. Allopregnanolone increases the number of dopaminergic neurons in substantia nigra of a triple transgenic mouse model of Alzheimer's disease. Curr Alzheimer Res;9(4):473-80. 2012-05-01 [PMID: 22272610] (IF/IHC, ICC/IF, Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB500-439

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

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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