Product Datasheet

Bromodeoxyuridine/BrdU Antibody (PSH0-18) NBP3-32093

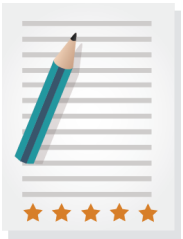
Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-32093

Updated 8/7/2025 v.20.1



NBP3-32093

Bromodeoxyuridine/BrdU Antibody (PSH0-18)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSH0-18
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol

Product Description

Host	Rabbit
Species	Non-species specific
Immunogen	Bromodeoxyuridine/BrdU-OVA

Product Application Details

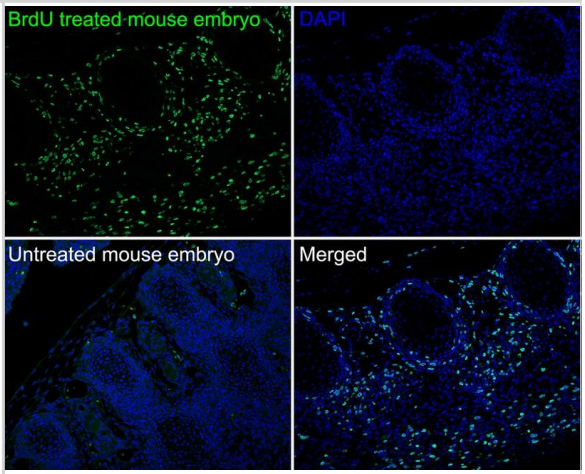
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:10000

Images

Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32093] - Immunofluorescence analysis of paraffin-embedded Bromodeoxyuridine/BrdU treated mouse embryo tissue labeling BrdU with Rabbit anti-Bromodeoxyuridine/BrdU antibody (NBP3-32093) at 1/2,000 dilution.

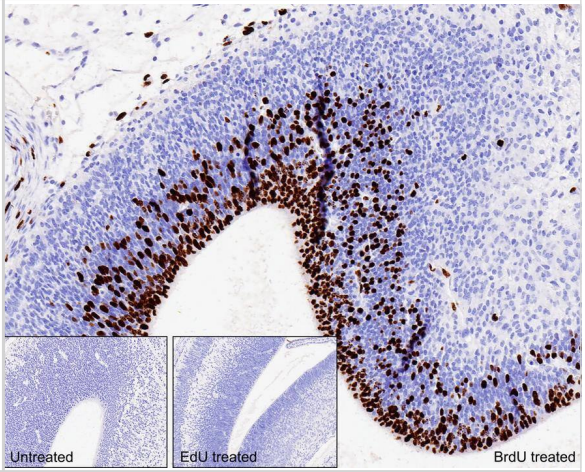
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32093, green) at 1/2,000 dilution overnight at 4 □, washed with PBS.

Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



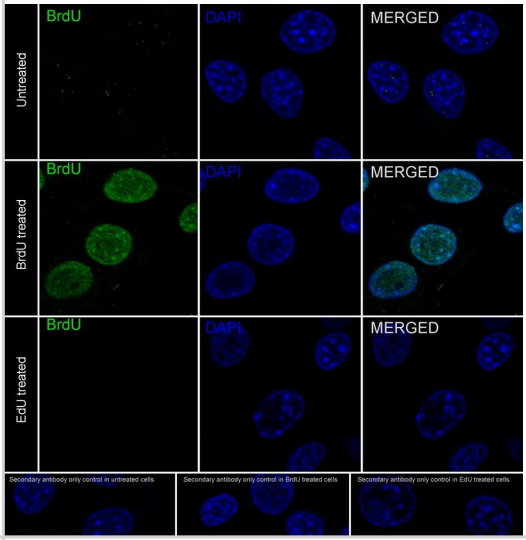
Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32093] - Immunohistochemical analysis of paraffin-embedded Brdu treated / Untreated / Edu treated mouse embryo brain tissue with Rabbit anti-Bromodeoxyuridine/BrdU antibody (NBP3-32093) at 1/10,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (NBP3-32093) at 1/10,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32093] - Immunocytochemistry analysis of NIH/3T3 cells (Untreated / Brdu treated / Edu treated) labeling Bromodeoxyuridine/BrdU with Rabbit anti-Bromodeoxyuridine/BrdU antibody (NBP3-32093) at 1/200 dilution.

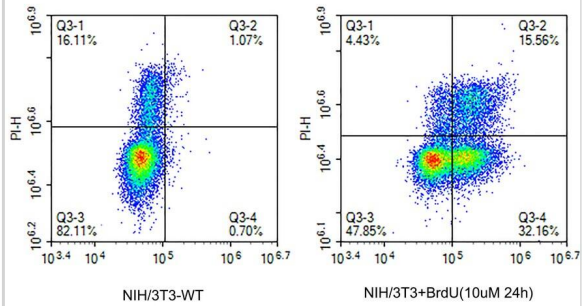
Cells were fixed in 70% ethyl alcohol for 5 minutes at room temperature, then subjected to acid hydrolysis using 2M HCL in TBST for 30 minutes at room temperature. permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and then blocked with 2% BSA for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Bromodeoxyuridine/BrdU antibody (NBP3-32093) at 1/200 dilution in 2% negative goat serum overnight at 4 □. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32093] - Dot plot showing Untreated / Bromodeoxyuridine/BrdU treated NIH/3T3 cells stained with NBP3-32093. Cells were incubated with 10 µM BrdU for 30 minutes prior to being harvested, washed twice in 1x PBS and fixed in 70% ethanol at 4□ for 30 minutes. Once fixed, pellets were acid denatured with 2M HCl for 30 minutes at room temperature and then neutralised with borate buffer (0.1M, pH8.5) for 15 minutes.

Samples were washed and incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/ml) for 30 min at room temperature. The secondary antibody used was iFluor™ 488 conjugate-Goat anti-Rabbit IgG at 1/1,000 dilution for 30 minutes at room temperature.

PI was added to cells 15 min prior to data acquisition.



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 NBP3-32093

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-32093

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications