

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.

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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	
Description	Novus Biologicals Rabbit Bromodeoxyuridine/BrdU Antibody (PSH0-18) (NBP3-32093) is a recombinant monoclonal antibody validated for use in IHC, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Species	Non-species specific
Immunogen	Bromodeoxyuridine/BrdU-OVA

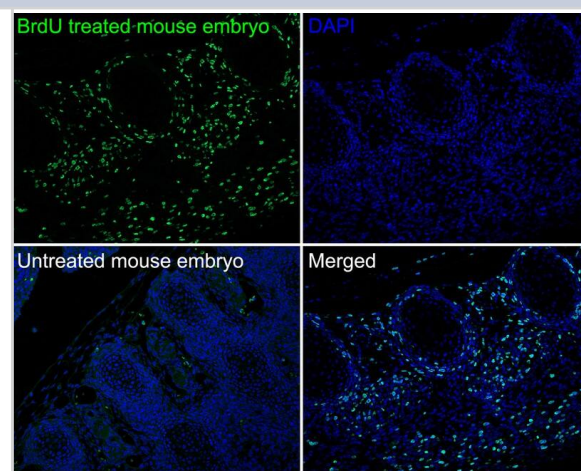
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:10000

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.

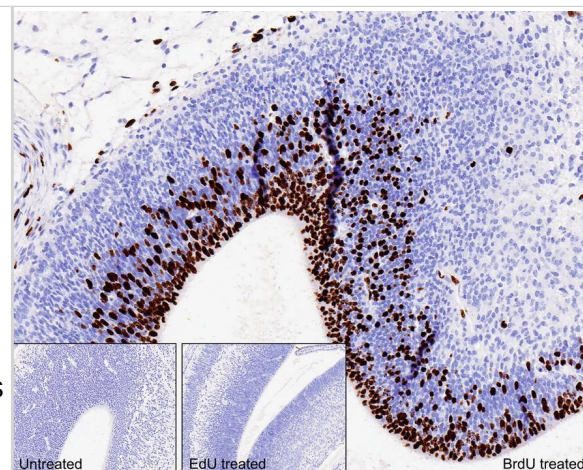
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32093, green) at 1/2,000 dilution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



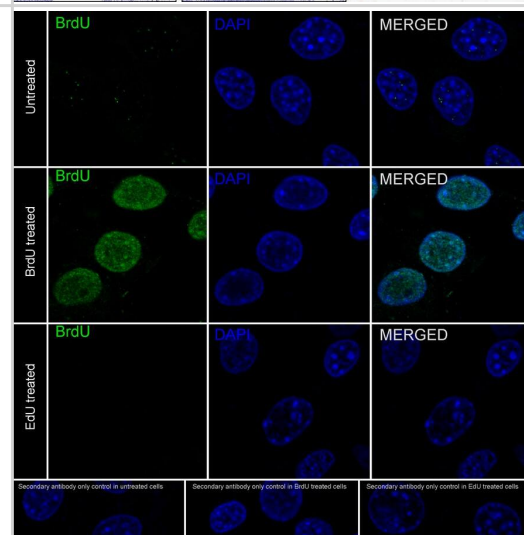
Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32093] - Immunohistochemical analysis of paraffin-embedded Brdu treated / Untreated / Edu treated mouse embryo brain tissue with Rabbit anti-Bromodeoxyuridine/BrdU antibody (NBP3-32093) at 1/10,000 dilution.

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.

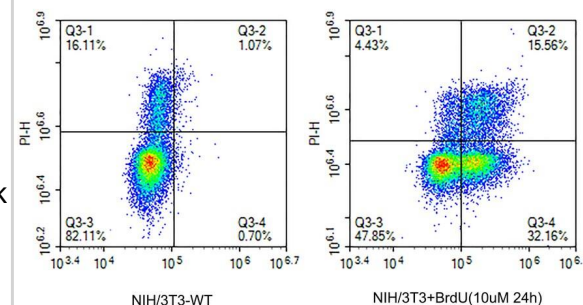
Cells were fixed in 70% ethyl alcohol for 5 minutes at room temperature, then subjected to acid hydrolysis using 2M HCL in TBST for 30 minutes at room temperature. permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and then blocked with 2% BSA for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Bromodeoxyuridine/BrdU antibody (NBP3-32093) at 1/200 dilution in 2% negative goat serum overnight at 4 °C. 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 μ M BrdU for 30 minutes prior to being harvested, washed twice in 1x PBS and fixed in 70% ethanol at 4 °C 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 (1 μ g/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.





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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.

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