

# Product Datasheet

## Bromodeoxyuridine/BrdU Antibody (PSH0-18) NBP3-32091

Unit Size: 100 ul

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

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**NBP3-32091****Bromodeoxyuridine/BrdU Antibody (PSH0-18)**

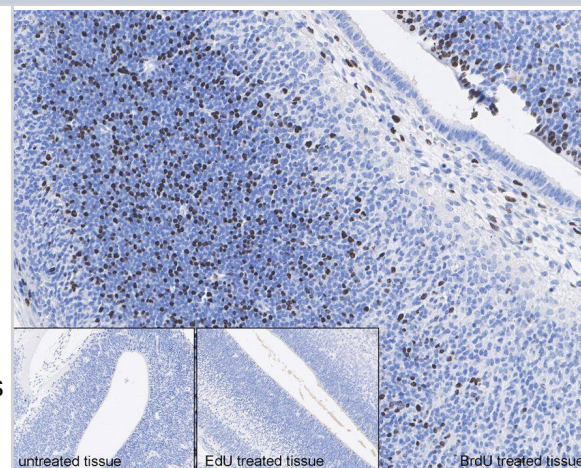
| <b>Product Information</b>         |                                                                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 100 ul                                                                                                                                                                                                                        |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                       |
| <b>Storage</b>                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                                                                                                                        |
| <b>Clonality</b>                   | Monoclonal                                                                                                                                                                                                                    |
| <b>Clone</b>                       | PSH0-18                                                                                                                                                                                                                       |
| <b>Preservative</b>                | 0.05% Sodium Azide                                                                                                                                                                                                            |
| <b>Isotype</b>                     | IgG1                                                                                                                                                                                                                          |
| <b>Purity</b>                      | Protein A purified                                                                                                                                                                                                            |
| <b>Buffer</b>                      | PBS (pH7.4), 0.1% BSA and 40% Glycerol                                                                                                                                                                                        |
| <b>Product Description</b>         |                                                                                                                                                                                                                               |
| <b>Description</b>                 | Novus Biologicals Rabbit Bromodeoxyuridine/BrdU Antibody (PSH0-18) (NBP3-32091) is a recombinant monoclonal antibody validated for use in IHC and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                        | Rabbit                                                                                                                                                                                                                        |
| <b>Species</b>                     | Non-species specific                                                                                                                                                                                                          |
| <b>Immunogen</b>                   | Bromodeoxyuridine/BrdU-OVA                                                                                                                                                                                                    |
| <b>Product Application Details</b> |                                                                                                                                                                                                                               |
| <b>Applications</b>                | Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                                                                                                                  |
| <b>Recommended Dilutions</b>       | Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:10000                                                                                                                     |



## Images

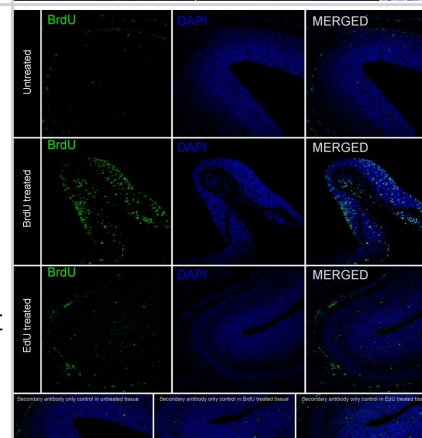
**Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32091]** - Immunohistochemical analysis of paraffin-embedded mouse embryo brain tissue (BrdU treated / Untreated / Edu treated) with Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32091) at 1/10,000 dilution.

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 ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32091) 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.



**Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32091]** - Immunofluorescence analysis of paraffin-embedded mouse embryo brain tissue (Untreated / BrdU treated / Edu treated) labeling Bromodeoxyuridine/BrdU with Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32091) at 1/1,000 dilution.

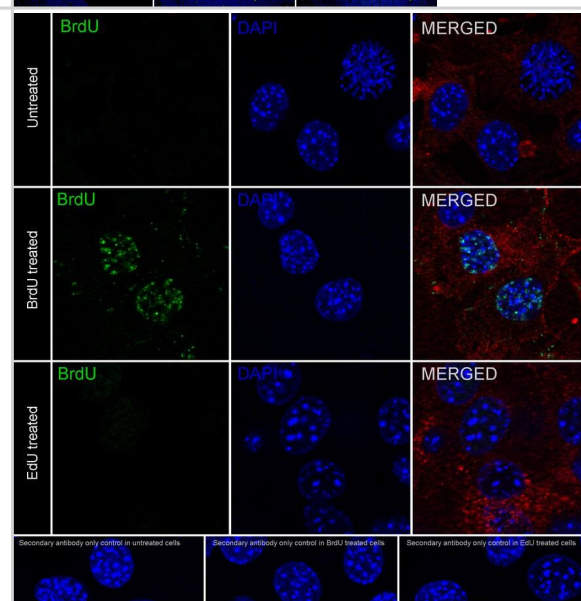
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32091, green) at 1/1,000 dilution overnight at 4 °C, washed with PBS. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



**Immunocytochemistry/ Immunofluorescence: Bromodeoxyuridine/BrdU Antibody (PSH0-18) [NBP3-32091]** - Immunocytochemistry analysis of NIH/3T3 cells (Untreated / BrdU treated / Edu treated) labeling Bromodeoxyuridine/BrdU with Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32091) at 1/50 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 Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32091) at 1/50 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Mouse 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.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32091**

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|            |                                                                                |
|------------|--------------------------------------------------------------------------------|
| HAF008     | Goat anti-Rabbit IgG Secondary Antibody [HRP]                                  |
| NB7160     | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]                            |
| 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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