

Product Datasheet

Bromodeoxyuridine/BrdU Antibody (A9C7-R) NBP3-32092

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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NBP3-32092**Bromodeoxyuridine/BrdU Antibody (A9C7-R)**

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	A9C7-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol

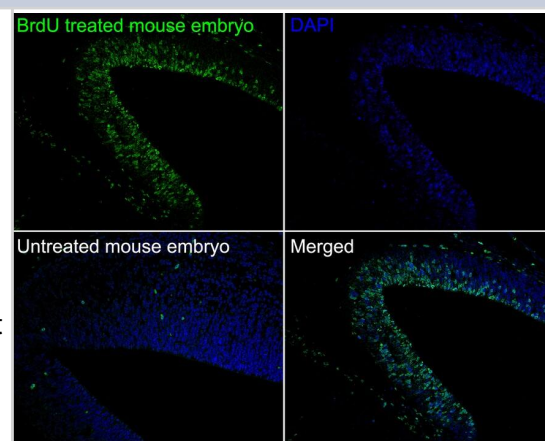
Product Description	
Description	Novus Biologicals Mouse Bromodeoxyuridine/BrdU Antibody (A9C7-R) (NBP3-32092) is a recombinant monoclonal antibody validated for use in IHC, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Non-species specific
Immunogen	Bromodeoxyuridine/BrdU-OVA

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:250, Immunohistochemistry-Paraffin 1:50000

Images

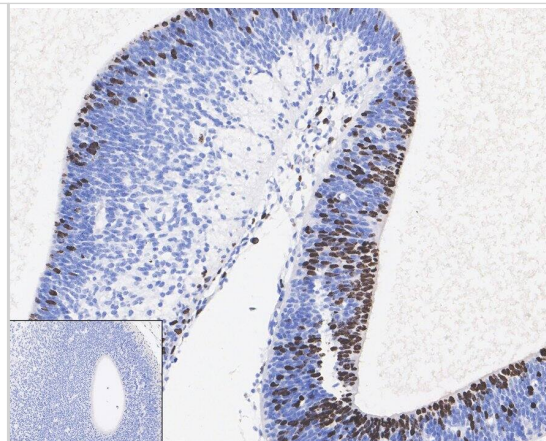
Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (A9C7-R) [NBP3-32092] - Immunofluorescence analysis of paraffin-embedded Bromodeoxyuridine/BrdU treated mouse embryo tissue labeling BrdU with Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32092) at 1/500 dilution.

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 (NBP3-32092, green) at 1/500 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).



Immunohistochemistry: Bromodeoxyuridine/BrdU Antibody (A9C7-R) [NBP3-32092] - Immunohistochemical analysis of paraffin-embedded Bromodeoxyuridine/BrdU treated mouse embryo tissue with Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32092) at 1/5,000 dilution.

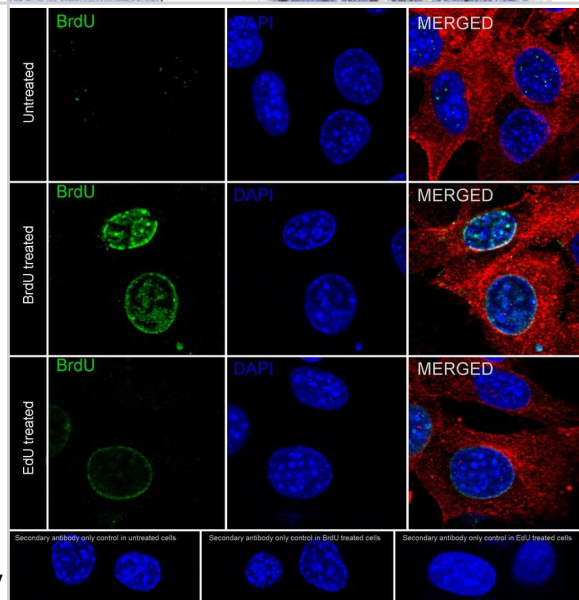
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32092) at 1/5,000 dilution for 1 hour 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 (A9C7-R) [NBP3-32092] - Immunocytochemistry analysis of Bromodeoxyuridine/BrdU treated NIH/3T3 cells labeling Bromodeoxyuridine/BrdU with Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32092) at 1/250 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-Bromodeoxyuridine/BrdU antibody (NBP3-32092) at 1/250 dilution in 1% BSA in PBST 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.

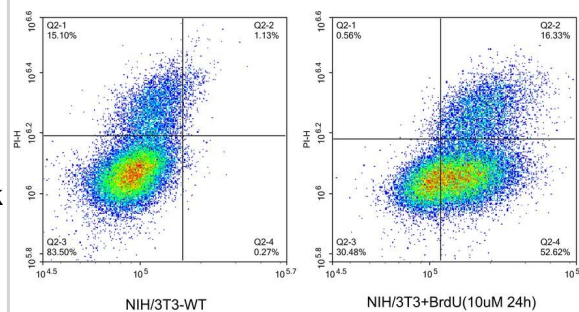
beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.



Flow Cytometry: Bromodeoxyuridine/BrdU Antibody (A9C7-R) [NBP3-32092] - Dot plot showing Bromodeoxyuridine/BrdU treated NIH/3T3 cells stained with NBP3-32092. 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 °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 μg/ml) for 30 min at room temperature. The secondary antibody used was iFluor™ 488 conjugate-Goat anti-Mouse 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 NBP3-32092

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
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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