

# Product Datasheet

## Bromodeoxyuridine/BrdU Antibody - BSA Free NBP2-14890

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-14890**

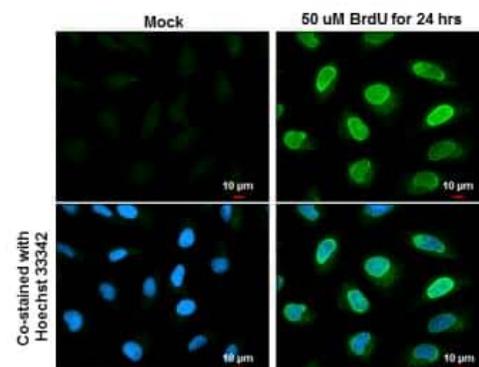
Bromodeoxyuridine/BrdU Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Species</b>	All Species
<b>Marker</b>	Proliferation Marker
<b>Immunogen</b>	The immunogen used to generate this antibody corresponds to Bromodeoxyuridine/BrdU
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Flow Cytometry 1:50-1:200, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

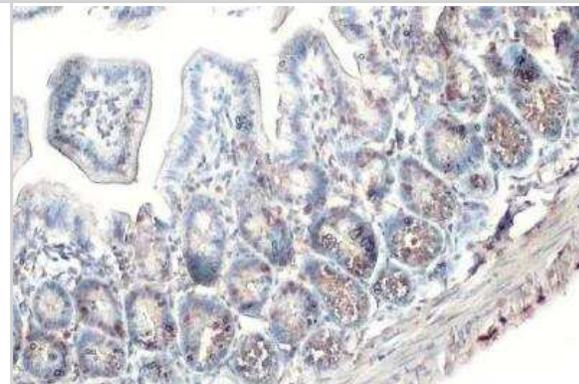


## Images

Immunocytochemistry/Immunofluorescence: Bromodeoxyuridine/BrdU Antibody [NBP2-14890] - HeLa cells mock (left) and treated with 50  $\mu$ M BrdU for 24 hr (right) were fixed in 4% paraformaldehyde at RT for 15 min. Green: BrdU protein stained by BrdU antibody. Blue: Hoechst 33342 staining. Scale bar = 10  $\mu$ m



Immunohistochemistry-Paraffin: Bromodeoxyuridine/BrdU Antibody [NBP2-14890] - Mouse intestinal tissue pulsed with BrdU. BrdU stained by BrdU antibody diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

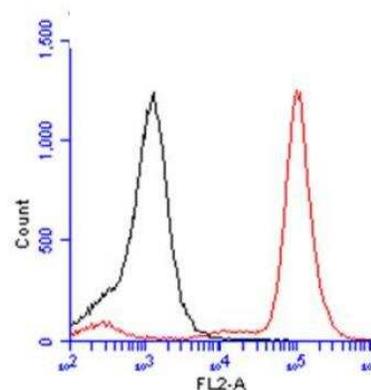


Flow Cytometry: Bromodeoxyuridine/BrdU Antibody [NBP2-14890] - BrdU antibody detects BrdU protein from HeLa treated with 10  $\mu$ M BrdU for 30 minutes and fixed in 4% paraformaldehyde at 4C for 15 minutes by flow cytometry analysis.

Black: Unlabelled sample was used as a control.

Red: BrdU antibody

Acquisition of 20,000 events were collected using a Dylight 488-conjugated secondary antibody for FACS analysis.



## Publications

Laura Lecce, Yang Xu, Bhargavi V'Gangula, Nirupama Chandel, Venu Pothula, Axelle Caudrillier, Maria Paola Santini, Valentina d'Escamard, Delaine K. Ceholski, Przemek A. Gorski, Lijiang Ma, Simon Koplev, Martin Mæng Bjørklund, Johan L.M. Björkegren, Manfred Boehm, Jacob Fog Bentzon, Valentin Fuster, Ha Won Kim, Neal L. Weintraub, Andrew H. Baker, Emily Bernstein, Jason C. Kovacic Histone deacetylase 9 promotes endothelial-mesenchymal transition and an unfavorable atherosclerotic plaque phenotype *The Journal of Clinical Investigation* 2021-08-02 [PMID: 34338228]

Kim J, Kim S, Lee SY et al. Partial in vivo reprogramming enables injury-free intestinal regeneration via autonomous Ptg1 induction *Science advances* 2023-11-24 [PMID: 38000027]

Gahankari A, Dong C, Bartoletti G et al. Deregulated Rac1 Activity in Neural Crest Controls Cell Proliferation, Migration and Differentiation During Midbrain Development *Frontiers in Cell and Developmental Biology* 2021-09-07 [PMID: 34557485] (Electron Microscopy)

Kim J, Kim S, Lee S et al. Alliin Enriched Standardized Fraction of *Allium Hookeri* Regulates the Glucose Homeostasis Via Upregulating Hepatic Glutathione Pool *bioRxiv* 2023-02-26 (IHC, Mouse)

Martin-Batista E, Maglio LE, Armas-Capote N Neuronal kinase SGK1. 1 protects against brain damage after status epilepticus *Neurobiol Dis* 2021-02-27 [PMID: 33639207]

Upadhyay R, Batuman V Aristolochic acid I induces proximal tubule injury through ROS/HMGB1/mt DNA mediated activation of TLRs *Journal of cellular and molecular medicine* 2022-08-01 [PMID: 35765703]

Iyer N, Grizotte-Lake M, Duncan K et al. Epithelium intrinsic vitamin A signaling co-ordinates pathogen clearance in the gut via IL-18 *PLoS Pathog.* 2020-04-01 [PMID: 32330185] (IHC-P)

Chen J, Wang ZZ, Zhang S et al. The effects of glucocorticoids on depressive and anxiety-like behaviors, mineralocorticoid receptor-dependent cell proliferation regulates anxiety-like behaviors *Behav. Brain Res.* 2019-01-14 [PMID: 30654121] (ICC/IF, Rat)

Yang T, Moore M, He F Pten regulates neural crest proliferation and differentiation during mouse craniofacial development *Dev Dyn.* 2018-02-01 [PMID: 29115005]

### Details:

Citation using the Alkaline Phosphatase form of this antibody.





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### Products Related to NBP2-14890

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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

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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.

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