

Product Datasheet

Bromodeoxyuridine/BrdU Antibody (29G6.E8) - BSA Free NBP2-44055

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-44055

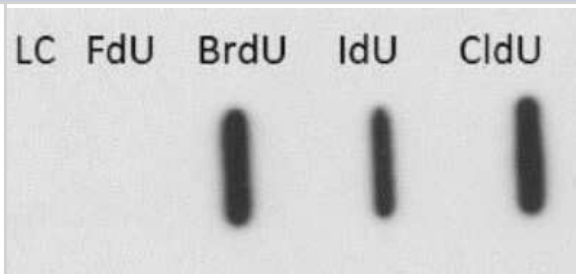
Bromodeoxyuridine/BrdU Antibody (29G6.E8) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	29G6.E8
Preservative	0.01% Sodium Azide
Isotype	IgG1 Lambda
Purity	Protein A purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody Monoclonal Antibody was purified from ascites fluid by Protein A chromatography</p> <p>Store this antibody at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Mouse
Species	Non-species specific
Specificity/Sensitivity	This antibody reacts strongly with Bromodeoxyuridine/BrdU. Cross-reactivity is observed with CldU and IdU.
Immunogen	Bromodeoxyuridine/Bromodeoxyuridine/BrdU antibody (29G6.E8) was produced in mice by repeated immunizations prepared via immunizations with BromodeoxyUridine-KLH followed by hybridoma development.
Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000-1:5000, Flow Cytometry 1:50-1:100, ELISA 1:2000-1:10000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/Immunofluorescence 1:500-1:3000, Dot Blot
Application Notes	This product has been tested as suitable for immunofluorescence and immunoblot assays. Antibody may be suitable for additional immunoassays including flow cytometry and immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Antibody will detect incorporated BrdU thymidine analog from replicated cells.

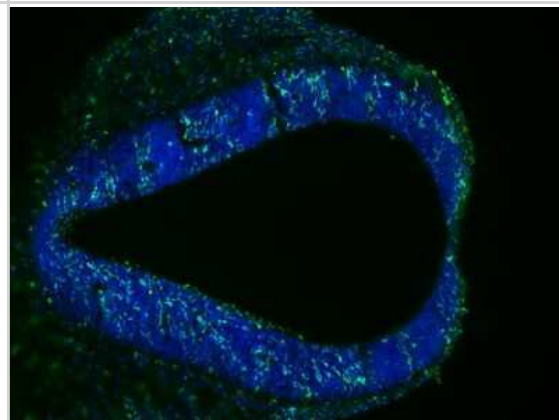


Images

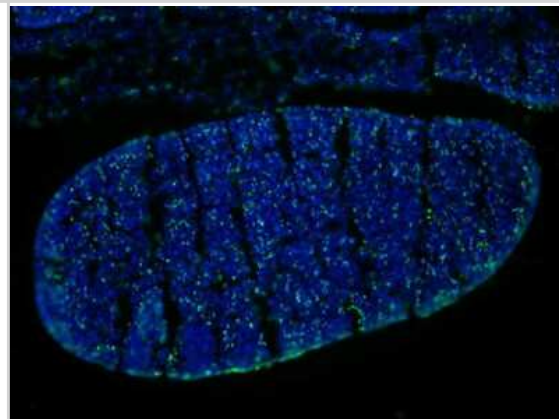
Western Blot: Bromodeoxyuridine/BrdU Antibody (29G6.E8) [NBP2-44055] - Lane 1: loading control. Lane 2: FdU. Lane 3: BrdU. Lane 4: IdU. Lane 5 CldU. Load: 20 Ug per lane.



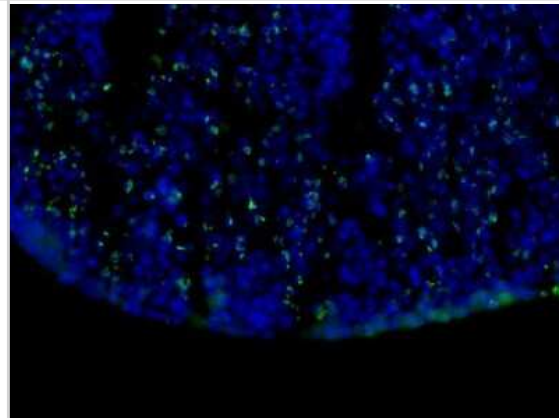
Immunocytochemistry/Immunofluorescence: Bromodeoxyuridine/BrdU Antibody (29G6.E8) [NBP2-44055] - Tissue: OCT-embedded E10.5 mouse embryo. Localization: 20X, section through the developing hindbrain. Fixation: 4% PFA. Antigen retrieval: not required. Staining: Double labeled (green/blue) cells represent cells that were actively dividing.



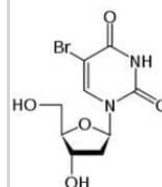
Immunocytochemistry/Immunofluorescence: Bromodeoxyuridine/BrdU Antibody (29G6.E8) [NBP2-44055] - Tissue: OCT-embedded E10.5 mouse embryo. Localization: 20X, section through the developing limb bud. Fixation: 4% PFA. Antigen retrieval: not required.



Immunocytochemistry/Immunofluorescence: Bromodeoxyuridine/BrdU Antibody (29G6.E8) [NBP2-44055] - Tissue: OCT-embedded E10.5 mouse embryo. Localization: 40X, section through the developing limb bud. Fixation: 4% PFA. Antigen retrieval: not required. Primary antibody: BrdU antibody at 1:500 in 0.4% PBS+Triton with 1% normal sheep serum overnight at 4C. Staining: Double labeled (green/blue) cells represent cells that were actively dividing.



Bromodeoxyuridine/BrdU Antibody (29G6.E8) [NBP2-44055]



Publications

Lazarchuk P, Nguyen MM, Curca CM et Al. Werner syndrome RECQ helicase participates in and directs maintenance of the protein complexes of constitutive heterochromatin in proliferating human cells Aging (Albany NY) 2024-10-31 [PMID: 39422615]





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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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