

Product Datasheet

Iododeoxyuridine/IdU Antibody (32D8.D9) - BSA Free NBP2-44056-0.05mg

Unit Size: 0.05 mg

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

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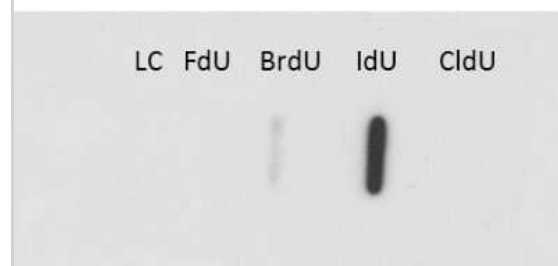
NBP2-44056-0.05mg

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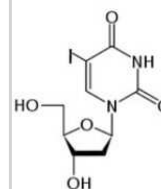
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	32D8.D9
Preservative	0.01% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
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	Human, Non-species specific
Reactivity Notes	Cross-reactivity is not observed with BrdU, CldU or FdU.
Specificity/Sensitivity	This antibody is specific for Iododeoxyuridine/IdU. Cross-reactivity is not observed with BrdU, CldU or FdU.
Immunogen	Iododeoxyuridine/Iododeoxyuridine/IdU antibody (32D8.D9) was produced in mice by repeated immunizations prepared via immunizations with BromodeoxyUridine-KLH followed by hybridoma development.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000-1:5000, Flow Cytometry 1:10-1:1000, ELISA 1:1000-1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500
Application Notes	This product has been tested as suitable for western blot, ELISA, and immunofluorescence microscopy. This antibody may be suitable for additional immunoassays including flow cytometry and immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect to detect incorporated IdU thymidine analog from replicated cells.

Images

Western Blot: Iododeoxyuridine/IdU Antibody (32D8.D9) [NBP2-44056] - Western Blot of Iododeoxyuridine/Iododeoxyuridine/IdU antibody (32D8.D9). Lane 1: loading control. Lane 2: FdU. Lane 3: BrdU. Lane 4: Iododeoxyuridine/IdU. Lane 5: CldU. Load: 20 ug per lane. Primary antibody: Anti-Iododeoxyuridine/IdU antibody at 1:1000 for overnight at 4C. Secondary antibody: IRDye800(TM) mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed: Iododeoxyuridine/IdU. Other band(s): no cross reactive bands were observed for other nucleoside analogs.



N/A: Iododeoxyuridine/IdU Antibody (32D8.D9) [NBP2-44056]



Publications

Nair JR, Huang TT, Sunkara A, Pruitt MR et al. Distinct effects of sacituzumab govitecan and berzosertib on DNA damage response in ovarian cancer *iScience* 2024-12-04 [PMID: 39628575]

Gupta N, Huang TT, Nair JR et al. BLM overexpression as a predictive biomarker for CHK1 inhibitor response in PARP inhibitor-resistant BRCA-mutant ovarian cancer *Science translational medicine* 2023-06-21 [PMID: 37343085]

Huang TT, Burkett SS, Tandon M et al. Distinct roles of treatment schemes and BRCA2 on the restoration of homologous recombination DNA repair and PARP inhibitor resistance in ovarian cancer *Oncogene* 2022-10-12 [PMID: 36224341] (ICC/IF, Human)

Betous R, Goulet de Rigny T, Pelegri AL et al. DNA replication stress triggers rapid DNA replication fork breakage by Artemis and XPF *PLoS Genet.* 2018-07-01 [PMID: 30059501] (WB, Human)

A P, Xu X, Wang C et al. EZH2 promotes DNA replication by stabilizing interaction of POLd and PCNA via methylation-mediated PCNA trimerization *Epigenetics Chromatin* 2018-08-02 [PMID: 30071900] (ICC/IF, Human)



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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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