

Product Datasheet

Histone H3 Antibody (1B1-B2) - Azide and BSA Free NBP2-80770

Unit Size: 0.1 ml

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

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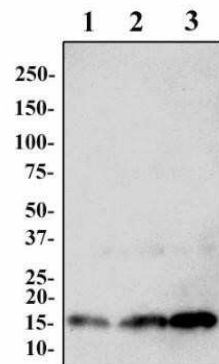


NBP2-80770**Histone H3 Antibody (1B1-B2) - Azide and BSA Free**

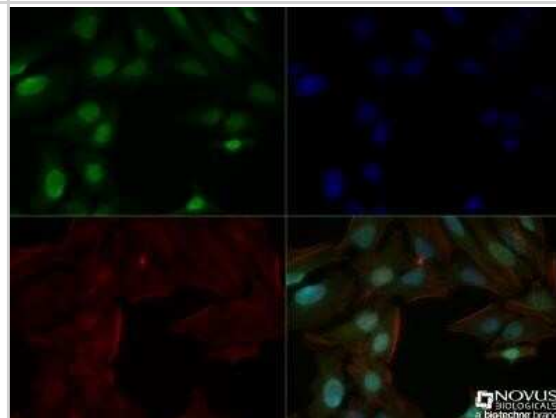
Product Information	
Unit Size	0.1 ml
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1B1-B2
Preservative	No Preservative
Isotype	IgG3 Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	15 kDa
Product Description	
Description	Novus Biologicals Mouse Histone H3 Antibody (1B1-B2) - Azide and BSA Free (NBP2-36468) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse, Rat
Immunogen	This Histone H3 antibody (1B1-B2) was raised against synthetic peptide corresponding to the C-terminus of human Histone H3.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP), Single Cell Western
Recommended Dilutions	Western Blot 1:1000. Use reported by customer review, Flow Cytometry, Immunohistochemistry 1:200-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:200-1:500, Flow (Intracellular), Chromatin Immunoprecipitation (ChIP), Single Cell Western 100 ug/ml

Images

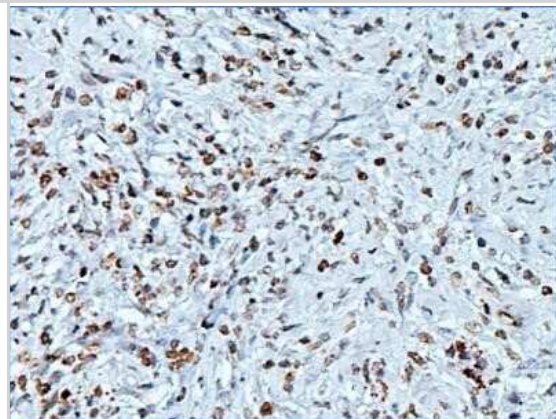
Western Blot: Histone H3 Antibody (1B1-B2) - Azide and BSA Free [NBP2-80770] - Western blot image of Anti-Histone H3 antibody (clone 1B1-B2). Whole cell protein from HeLa (lane 1), NIH-3T3 (lane 2) and PC12 (lane 3) were separated by 4-15% SDS-PAGE and transferred to PVDF membrane. The membrane was probed with purified Anti-Histone H3 antibody at 2 ug/ml and detected with an HRP conjugated anti-mouse secondary using chemiluminescence. Observed molecular weight is ~15 kDa. Image from the standard format of this antibody.



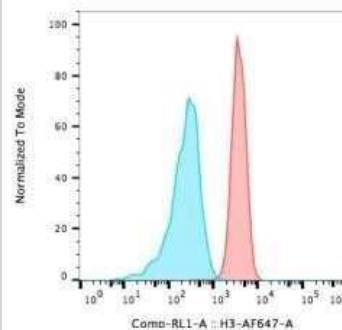
Immunocytochemistry/Immunofluorescence: Histone H3 Antibody (1B1-B2) - Azide and BSA Free [NBP2-80770] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Histone H3 (1B1-B2) NBP2-36468 at a 1:200 dilution overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



Immunohistochemistry: Histone H3 Antibody (1B1-B2) - Azide and BSA Free [NBP2-80770] - Analysis of Histone H3 in human breast cancer using DAB with hematoxylin counterstain. Image from the standard format of this antibody.

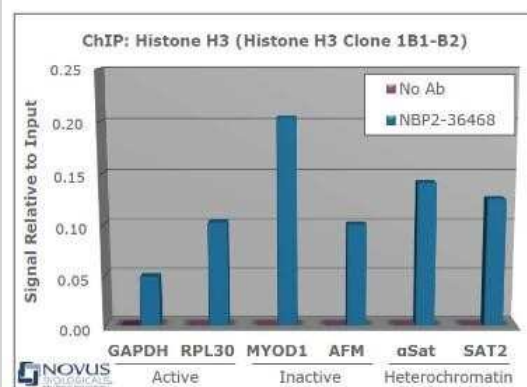


Flow Cytometry: Histone H3 Antibody (1B1-B2) - Azide and BSA Free [NBP2-80770] - Analysis using Alexa Fluor (R) 647 conjugate of NBP2-36468. Jurkat cells stained with Alexa Fluor 647 conjugated Histone H3 antibody (red) or isotype control (blue). Flow cytometry image submitted by a verified customer review.

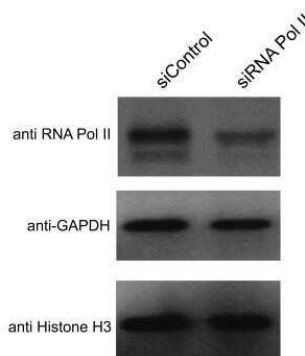


Jurkat cells were stained with (■) Alexa Fluor 647-conjugated anti-histone 3 antibody (Novus Biologicals, Littleton, CO; cat. NBP2-36468AF647) or (■) isotype control.

Chromatin Immunoprecipitation: Histone H3 Antibody (1B1-B2) - Azide and BSA Free [NBP2-80770] - Chromatin from one million formaldehyde cross-linked HeLa cells was precipitated using 2 ug of NBP2-36468 and 25 ul of magnetic IgG beads, using standard ChIP methods. A similar sample containing no antibody was included as a negative control. Immunoprecipitated DNA was quantified using quantitative real-time PCR and SYBR green dye, then normalized to the non-precipitated input chromatin. Representative target genes from active, inactive and heterochromatic regions of the genome show amplification, indicative of the presence of Histone H3. Image from the standard format of this antibody.



Western Blot: Histone H3 Antibody (1B1-B2) - Azide and BSA Free [NBP2-80770] - Analysis in Hela cells using siRNA to knockdown Pol II, controls are GAPDH and Histone H3. Theoretical molecular weight of Histone H3 is 15 kDa. WB blot image submitted by a verified customer review. Image from the standard format of this antibody.





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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96978	Mouse IgG3 Kappa Light Chain Isotype Control (MG3K)

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