

Product Datasheet

Histone H3 [Trimethyl Lys9] Antibody (6F12-H4) - Azide and BSA Free NBP2-80769

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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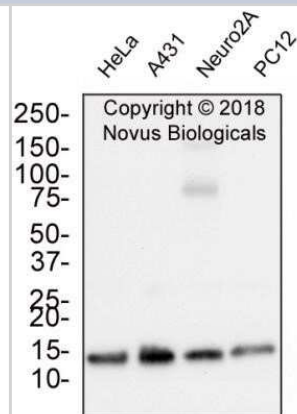
NBP2-80769

Histone H3 [Trimethyl Lys9] Antibody (6F12-H4) - Azide and BSA Free

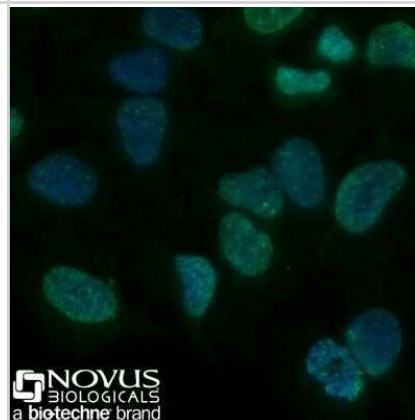
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6F12-H4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Tris-Glycine, 0.15 M NaCl
Target Molecular Weight	15 kDa
Product Description	
Description	Novus Biologicals Mouse Histone H3 [Trimethyl Lys9] Antibody (6F12-H4) - Azide and BSA Free (NBP1-30141) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF, IP and CHIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Mouse, Rat, Porcine, C. elegans, Drosophila, Invertebrate, Mammal, Yeast
Reactivity Notes	Predicted to react with most mammalian species. Invertebrate / Blattella germanica (German cockroach) reactivity reported in scientific literature (PMID: 23872316). Porcine reactivity reported in scientific literature (PMID: 25736622)
Immunogen	This Histone H3 antibody (6F12-H4) was raised against a synthetic peptide made to an N-terminal region of Histone H3 (between amino acids 1-50). [UniProt# P84243]
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000, ELISA 1:100-1:2000, Immunohistochemistry 1:1000. Use reported in scientific literature (PMID 23872316), Immunocytochemistry/Immunofluorescence 1:200, Immunoprecipitation reported in scientific literature (PMID 28270554), Immunohistochemistry-Paraffin 1:1000, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	In Western blot, a band is seen at ~15 kDa.

Images

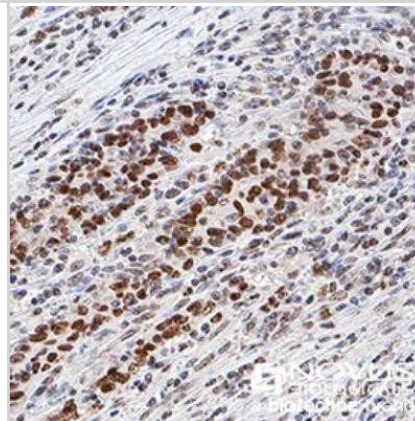
Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Whole cell protein from human HeLa, A431, mouse Neuro2A and rat PC12 cells was separated on a 4-20% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/ml anti-Histone h3 in block buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Observed molecular weight is ~15 kDa. Image from the standard format of this antibody.



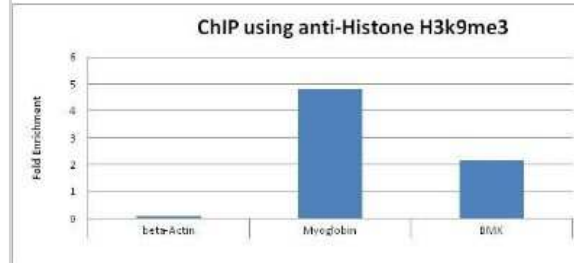
Immunocytochemistry/Immunofluorescence: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton X-100. The cells were incubated with anti-Histone H3 [Trimethyl Lys9] (6F12-H4) at 2 ug/ml overnight at 4C and detected with an anti-mouse DyLight 488 (green) at a 1:500 dilution. Nuclei were counterstained with DAPI (blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



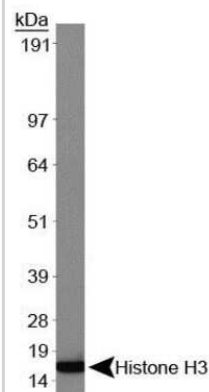
Immunohistochemistry-Paraffin: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Histone 3 was detected in immersion fixed paraffin-embedded sections of human colon cancer using anti-human mouse monoclonal antibody (Catalog # NBP1-30141) at 1:1000 dilution overnight at 4C. Tissue was stained using the VisuCyte anti-mouse HRP polymer d



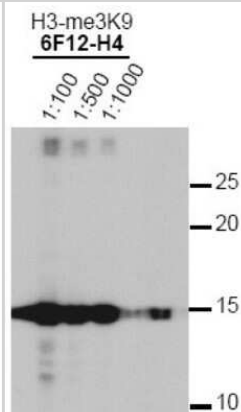
Chromatin Immunoprecipitation: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Used to perform ChIP on HeLa cells. Image from the standard format of this antibody.



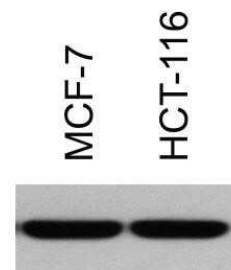
Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Analysis of Histone H3 (NBP1-30141) using HeLa nuclear lysate [NB800-PC9]. Observed molecular weight ~15 kDa. Image from the standard format of this antibody.



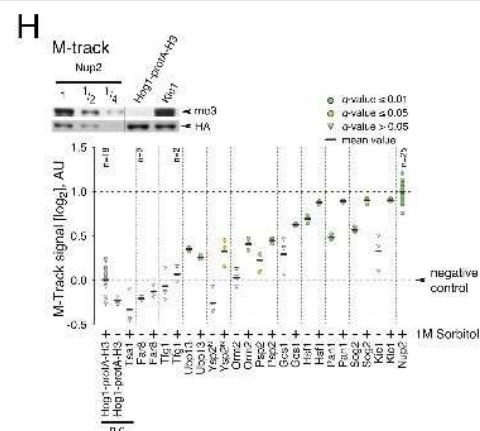
Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Analysis of Histone H3 K9-me3 in HeLa histone lysates. Observed molecular weight is ~15 kDa. Image from the standard format of this antibody.



Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - H3K9Me3 analysis of MCF7 and HCT116. Theoretical molecular weight is ~15 kDa. Image from verified customer review. Image from the standard format of this antibody.



Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Representative Western blot showing M-track protein proximity signals obtained for Kic1. Hog1-protA-H3: background control, Nup2: positive control. Below: Proximity signals. n = 3 replicates per sample except when indicated differently. Ratios are log₂-transformed. Black lines indicate average proximity signal. Proximity signals that differ significantly from background are marked in green (q ≤ 0.01) and orange (q ≤ 0.05 and > 0.01) filled circles. Grey filled triangles: q > 0.05. N: N-terminal HKMTmyc fusion. Image collected and cropped by CiteAb from the following publication (<https://biosignaling.biomedcentral.com/articles/10.1186/s12964-019-0381-z>), licensed under a CC-BY license. Image from the standard format of this antibody.





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Products Related to NBP2-80769

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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