

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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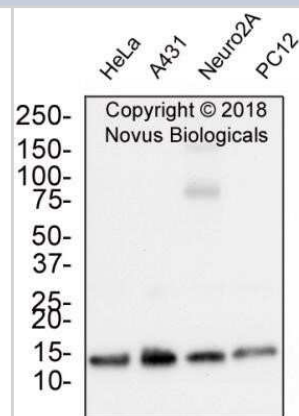
NBP2-80769

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

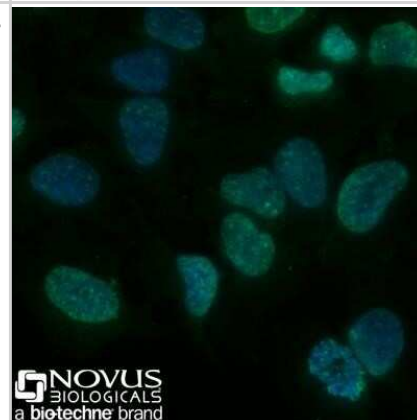
| Product Information | |
|-----------------------------|---|
| Unit Size | 0.1 ml |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 6F12-H4 |
| Preservative | No Preservative |
| Isotype | IgG1 Kappa |
| Purity | Protein G purified |
| Buffer | Tris-Glycine, 0.15 M NaCl |
| Target Molecular Weight | 15 kDa |
| Product Description | |
| 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, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, 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

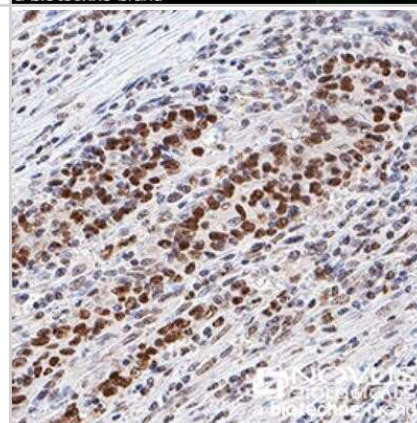
Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Whole cell protein from human HeLa, A431, mouse Neuro2A and rat PC12 cells was separated on a 4-20% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 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.



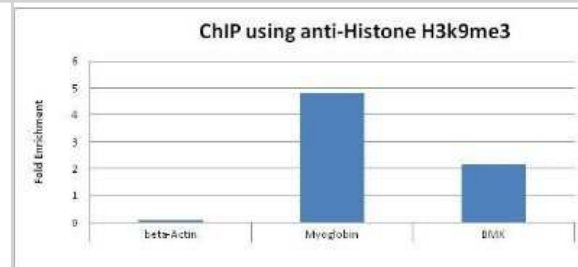
Immunocytochemistry/Immunofluorescence: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton X-100. The cells were incubated with anti-Histone H3 [Trimethyl Lys9] (6F12-H4) 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.



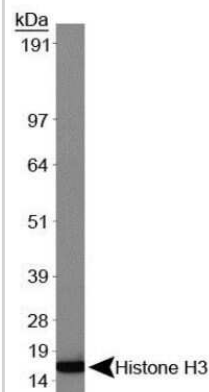
Immunohistochemistry-Paraffin: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Histone 3 was detected in immersion fixed paraffin-embedded sections of human colon cancer using anti-human mouse monoclonal antibody (Catalog # NBP1-30141) at 1:1000 dilution overnight at 4C. Tissue was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



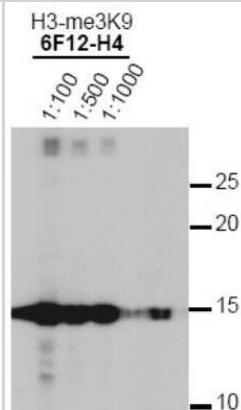
Chromatin Immunoprecipitation: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Used to perform ChIP on HeLa cells. Image from the standard format of this antibody.



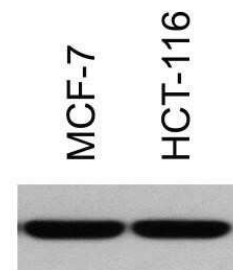
Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Analysis of Histone H3 (NBP1-30141) using HeLa nuclear lysate [NB800-PC9]. Observed molecular weight ~15 kDa. Image from the standard format of this antibody.



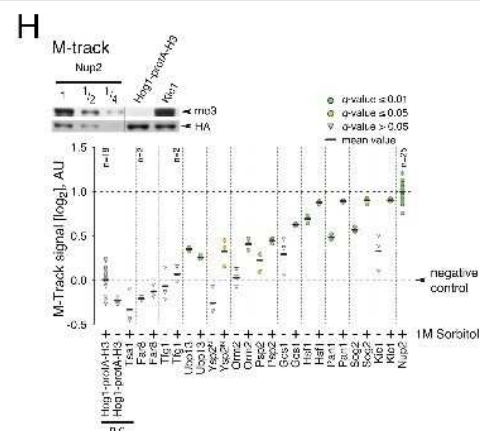
Western Blot: Histone H3 Antibody (6F12-H4) - Azide and BSA Free [NBP2-80769] - Analysis of Histone H3 K9-me3 in HeLa histone lysates. Observed molecular weight is ~15 kDa. Image from the standard format of this antibody.



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 ($q \leq 0.01$) and orange ($q \leq 0.05$ 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.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-80769

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NB21-1024PEP | Histone H3 [ac Lys4] Antibody Blocking Peptide |

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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