Product Datasheet

Histone H3 [Methyl Lys27] Antibody - BSA Free
NBP2-59192

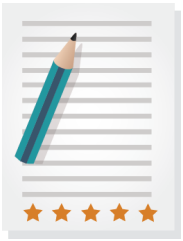
Unit Size: 50 ug

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

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-59192

Updated 9/9/2025 v.20.1



NBP2-59192

Histone H3 [Methyl Lys27] Antibody - BSA Free

Product Information

Unit Size	50 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide and 0.05% ProClin 300
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	15 kDa

Product Description

Description	Novus Biologicals Rabbit Histone H3 [Methyl Lys27] Antibody - BSA Free (NBP2-59192) is a polyclonal antibody validated for use in WB, ELISA, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, A. thaliana
Immunogen	The exact sequence of the immunogen to this Histone H3 [Methyl Lys27] antibody is proprietary.

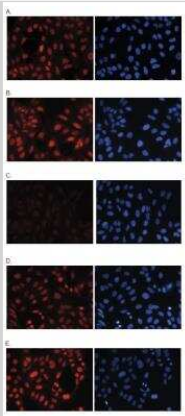
Product Application Details

Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation (ChIP), Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, ELISA 1:500, Immunocytochemistry/ Immunofluorescence 1:1000, Dot Blot 1:20000, Immunofluorescence 1:1000, Chromatin Immunoprecipitation (ChIP) 1 ug/IP

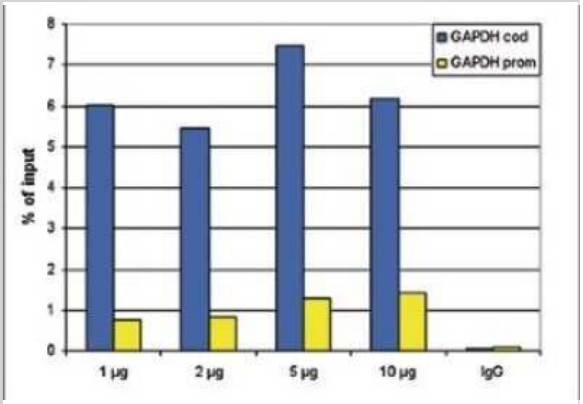
Images

Western Blot: Histone H3 [Methyl Lys27] Antibody [NBP2-59192] - Histone extracts (15 ug) from HeLa cells were analysed by Western blot using the antibody against H3K27me1 diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. Observed molecular weight is ~17 kDa.

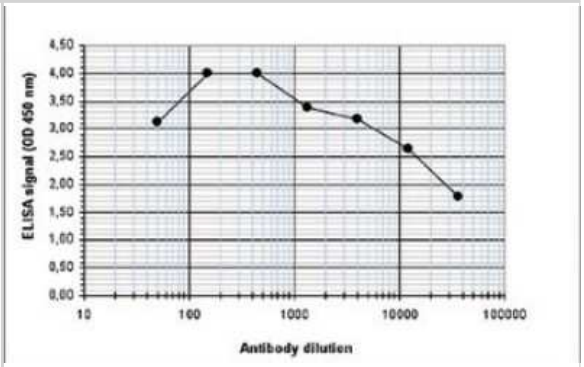
Immunocytochemistry/Immunofluorescence: Histone H3 [Methyl Lys27] Antibody [NBP2-59192] - Human osteosarcoma (U2OS) cells were stained with Histone H3 [Methyl Lys27] Antibody and with DAPI. Cells were fixed with 4% formaldehyde for 20' and blocked with PBS/TX-100 containing 5% normal goat serum. (A): cells were immunofluorescently labeled with the Histone H3 [Methyl Lys27] Antibody (left) diluted 1:1,000 in blocking solution followed by an anti-rabbit antibody conjugated to Alexa568 or with DAPI (right), which specifically labels DNA. (B), (C), (D), (E): staining of the cells with the Histone H3 [Methyl Lys27] Antibody after incubation of the antibody with 2 ng/ul blocking peptide containing the unmodified and the mono-, di- and trimethylated Histone H3 [Methyl Lys27], respectively.



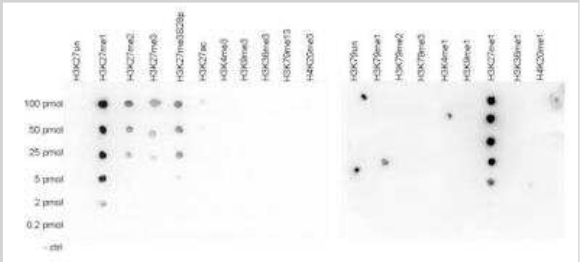
Chromatin Immunoprecipitation: Histone H3 [Methyl Lys27] Antibody [NBP2-59192] - ChIP assays were performed using human HeLa cells, the antibody against H3K27me1 and optimized PCR primer sets for qPCR. ChIP was performed using sheared chromatin from 100,000 cells. A titration of the antibody consisting of 1, 2, 5 and 10 ug per ChIP experiment was analysed. IgG (2 ug/IP) was used as negative IP control. QPCR was performed with primers for the promoter and the coding region of the active gene GAPDH used as a negative and a positive control target, respectively. Figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



ELISA: Histone H3 [Methyl Lys27] Antibody [NBP2-59192] - To determine the titer of the antibody, an ELISA was performed using a serial dilution of the antibody directed against H3K27me1. The antigen used was a peptide containing the histone modification of interest. By plotting the absorbance against the antibody dilution, the titer of the purified antibody was estimated to be 1:32,900.



Dot Blot: Histone H3 [Methyl Lys27] Antibody [NBP2-59192] - A Dot Blot analysis was performed to test the cross reactivity of against Histone H3 [Methyl Lys27] Antibody with peptides containing other modifications and unmodified sequences of Histone H3 and H4. One hundred to 0.2 pmol of the peptide containing the respective histone modification were spotted on a membrane. The antibody was used at a dilution of 1:20,000. This image shows a high specificity of the antibody for the modification of interest.



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 NBP2-59192

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1141PEP	Histone H3 [Monomethyl Lys18] 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-59192

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications