

Product Datasheet

Histone H3 [Monomethyl Lys9] Antibody NBP2-59204

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/NBP2-59204

Updated 8/8/2023 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-59204



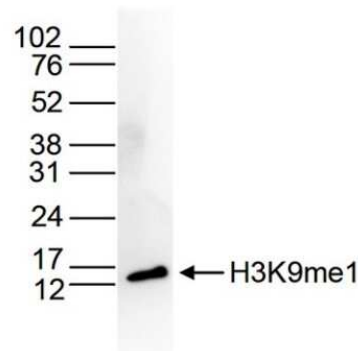
NBP2-59204**Histone H3 [Monomethyl Lys9] Antibody**

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	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human
Immunogen	The exact sequence of the immunogen to this Histone H3 [Monomethyl Lys9] antibody is proprietary.
Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000, ELISA 1:500 - 1:1000, Dot Blot 1:20000, Chromatin Immunoprecipitation (ChIP) 1 ug/IP

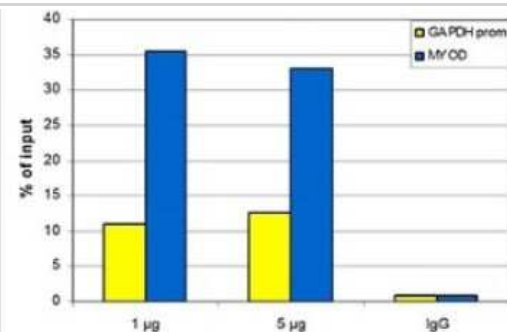


Images

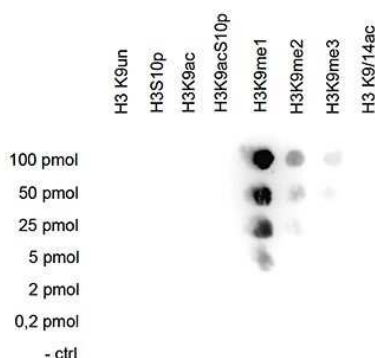
Western Blot: Histone H3 [Monomethyl Lys9] Antibody [NBP2-59204] - Histone H3 Antibody [NBP2-59204] - Histone extracts (15 ug) from HeLa cells were analysed by Western blot using the antibody against H3K9me1 diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. Observed molecular weight is ~15 kDa.



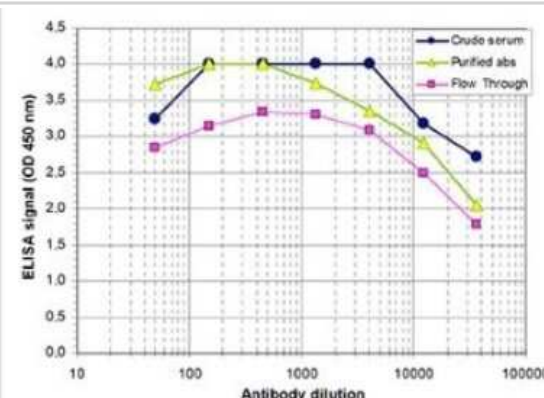
Chromatin Immunoprecipitation: Histone H3 [Monomethyl Lys9] Antibody [NBP2-59204] - Histone H3 Antibody [NBP2-59204] - ChIP assays were performed using human HeLa cells, the antibody directed against H3K9me1 and optimized PCR primer sets for qPCR. ChIP was performed using sheared chromatin from 10,000 cells. Respectively 1 and 5 ug of the antibody and 5 ug of IgG (negative IP control) were used per ChIP experiment. QPCR was performed with primers for the GAPDH promoter and for the inactive gene MYOD. Figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis). These results are in accordance with the observation that H3K9me1 is preferably present at silent genes.



Dot Blot: Histone H3 [Monomethyl Lys9] Antibody [NBP2-59204] - Histone H3 Antibody [NBP2-59204] - A Dot Blot analysis was performed to test the cross reactivity of the antibody against H3K9me1 with peptides containing other modifications and the unmodified sequence of histone H3. 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. Figure shows a high specificity of the antibody for the modification of interest.



ELISA: Histone H3 [Monomethyl Lys9] Antibody [NBP2-59204] - Histone H3 Antibody [NBP2-59204] - To determine the titer of the antibody, an ELISA was performed using a serial dilution of the antibody directed against human H3K9me1, crude serum and flow through in antigen coated wells. The antigen used was a peptide containing the histone modification of interest. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:68,000.





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 NBP2-59204

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1037PEP	Histone H3 [Monomethyl Lys4, p Thr6] 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/NBP2-59204

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

