

Product Datasheet

Histone H4 [ac Lys16] Antibody (C.15200219) - BSA Free NBP2-59242

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/NBP2-59242

Updated 9/9/2025 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/NBP2-59242



NBP2-59242

Histone H4 [ac Lys16] Antibody (C.15200219) - 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	Monoclonal
Clone	C.15200219
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS

Product Description

Description	Novus Biologicals Mouse Histone H4 [ac Lys16] Antibody (C.15200219) - BSA Free (NBP2-59242) is a monoclonal antibody validated for use in WB and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	121504
Gene Symbol	H4C16
Species	Human
Immunogen	The exact immunogen is proprietary information.

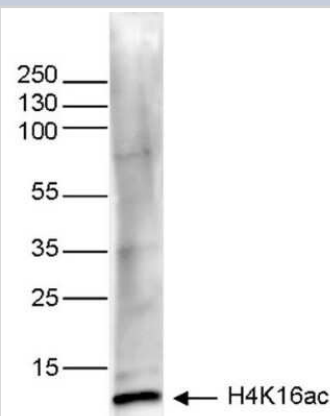
Product Application Details

Applications	Western Blot, Dot Blot, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500, Dot Blot 1:10000, Chromatin Immunoprecipitation (ChIP) 1-2 ug

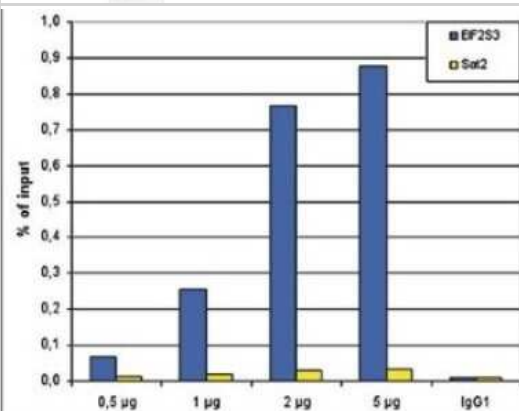


Images

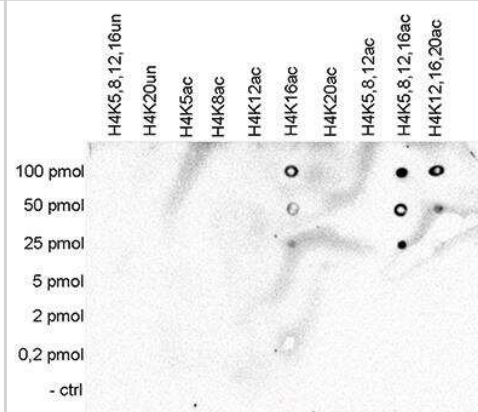
Western Blot: Histone H4 [ac Lys16] Antibody (C.15200219) [NBP2-59242] - Histone extracts (15 ug) from HeLa cells were analysed using the antibody against H4K16ac diluted 1:500 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right; the marker (kDa) is shown on the left.



Chromatin Immunoprecipitation: Histone H4 [ac Lys16] Antibody (C.15200219) [NBP2-59242] - ChIP assays were performed using HeLa cells, the monoclonal antibody against H4K16ac and optimized PCR primer sets for qPCR. ChIP was performed with a ChIP-seq kit, using sheared chromatin from 1.5 million cells. A titration of the antibody consisting of 0.5, 1, 2 and 5 ug per ChIP experiment was analysed. IgG (1 ug/IP) was used as negative IP control. QPCR was performed with primers for the coding region of the EIF2S3 gene, used as a positive control, and for the Sat2 satellite repeat, used as a negative control. Figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis)



Dot Blot: Histone H4 [ac Lys16] Antibody (C.15200219) [NBP2-59242] - To test the cross reactivity of the antibody against H4K16ac, analysis was performed with peptides containing other acetylations and unmodified sequences of histone H4. One hundred to 0.2 pmol of the respective peptides were spotted on a membrane. The antibody was used at a dilution of 1:10,000. Figure 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 NBP2-59242

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB21-2090PEP	Histone H4 [Trimethyl Lys20] 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/NBP2-59242

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

