

Product Datasheet

Histone H4 [ac Lys8] Antibody NBP2-59248

Unit Size: 100 ul

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

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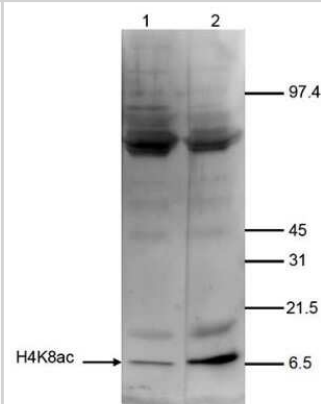
NBP2-59248

Histone H4 [ac Lys8] Antibody

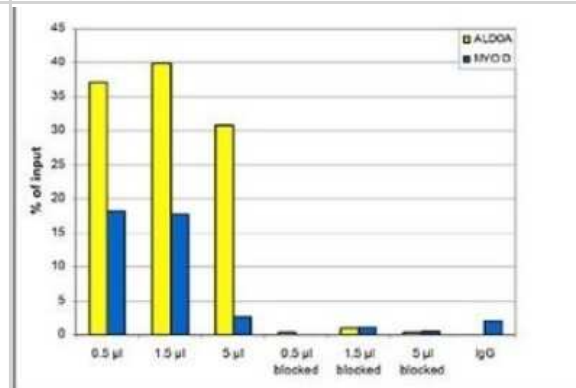
Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Whole Antiserum
Buffer	Serum
Product Description	
Host	Rabbit
Gene ID	121504
Gene Symbol	HIST4H4
Species	Human
Immunogen	The exact immunogen is proprietary information.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Dot Blot, ELISA
Recommended Dilutions	Western Blot 1:250, Chromatin Immunoprecipitation 5 uL/IP, ELISA 1:500, Dot Blot 1:20000

Images

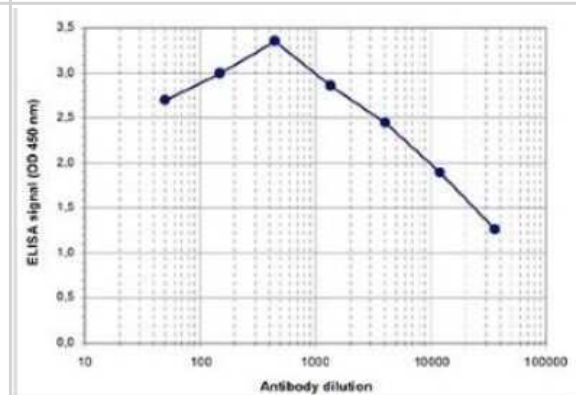
Western Blot: Histone H4 [ac Lys8] Antibody [NBP2-59248] - Western blot analysis using the crude serum against H4K8ac. Nuclear extracts of HeLa cells (40 ug) were analysed by Western blot using the antibody against JMJD2c diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest (expected size: 120 kDa) is indicated on the right; the marker (kDa) is shown on the left. The smaller fragment of approximately 92 kDa may represent a splicing variant.



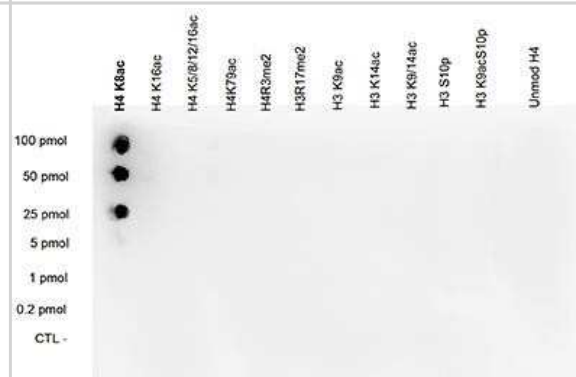
Chromatin Immunoprecipitation: Histone H4 [ac Lys8] Antibody [NBP2-59248] - ChIP results obtained with the crude serum directed against H4K8ac. Histone extracts of HeLa cells (15 ug) were analysed by Western blot using the antibody against H4K8ac diluted 1:250 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the left; the marker (kDa) is shown on the right. Lane 2 shows the result of the Western analysis with the antibody; lane 1 shows the same analysis after incubation of the antibody with 750 pmol blocking peptide for 1 hour at room temperature.



ELISA: Histone H4 [ac Lys8] Antibody [NBP2-59248] - To determine the titer, an ELISA was performed using a serial dilution of the antibody directed against human H4K8ac. 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 1:17,500.



Dot Blot: Histone H4 [ac Lys8] Antibody [NBP2-59248] - 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.





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

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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