

Product Datasheet

Histone H4 [ac Lys8] Antibody - BSA Free NBP2-59260

Unit Size: 50 ug

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

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Updated 9/9/2025 v.20.1

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NBP2-59260

Histone H4 [ac Lys8] 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

Product Description

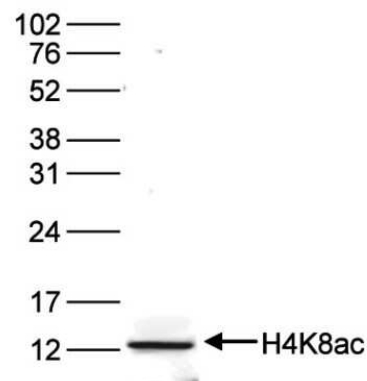
Description	Novus Biologicals Rabbit Histone H4 [ac Lys8] Antibody - BSA Free (NBP2-59260) is a polyclonal antibody validated for use in WB, ELISA, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	121504
Gene Symbol	H4C16
Species	Human, Mouse
Immunogen	The exact immunogen is proprietary information.

Product Application Details

Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation (ChIP), Immunofluorescence
Recommended Dilutions	Western Blot 1:200, ELISA 1:100, Immunocytochemistry/ Immunofluorescence 1:500, Dot Blot 1:20000, Immunofluorescence 1:500, Chromatin Immunoprecipitation (ChIP) 1 ug

Images

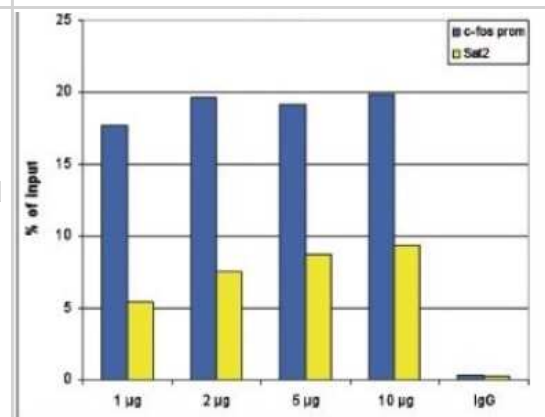
Western Blot: Histone H4 [ac Lys8] Antibody [NBP2-59260] - Histone extracts of HeLa cells (15 ug) were analysed by Western blot using the antibody directed against H4K8ac diluted 1:200 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.



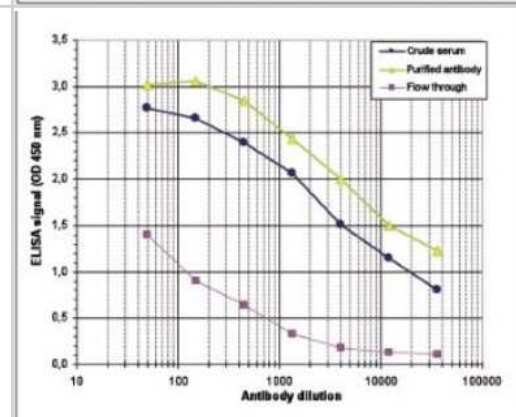
Immunocytochemistry/Immunofluorescence: Histone H4 [ac Lys8] Antibody [NBP2-59260] - Mouse NIH3T3 cells were stained with the antibody against H4K8ac and with DAPI. Cells were fixed with 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. The cells were immunofluorescently labelled with the H4K8ac antibody (left) diluted 1:500 in blocking solution followed by an anti-rabbit antibody conjugated to Alexa Fluor 488. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.



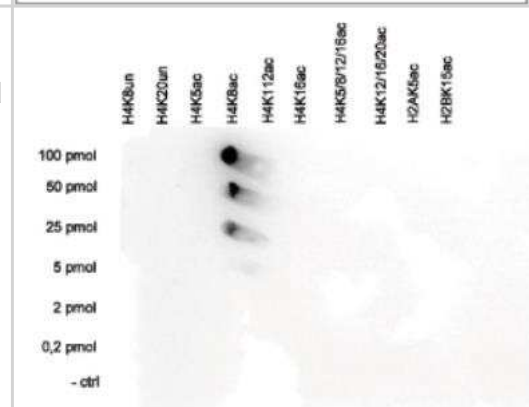
Chromatin Immunoprecipitation: Histone H4 [ac Lys8] Antibody [NBP2-59260] - ChIP assays were performed using human HeLa cells, the antibody directed against H4K8ac and optimized PCR primer sets for qPCR. ChIP was performed with a LowCell I# ChIP kit on sheared chromatin from 10,000 cells. A titration of the antibody consisting of 1, 2, 5, and 10 ug per ChIP experiment was analysed. IgG (1 ug/IP) was used as negative IP control. QPCR was performed with primers for the c-fos promoter and for the Sat2 satellite repeat region. Figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



ELISA: Histone H4 [ac Lys8] Antibody [NBP2-59260] - To determine the titer of the antibody, an ELISA was performed using a serial dilution of the antibody directed against H4K8ac, 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 purified antibody was estimated to be 1:16,700.



Dot Blot: Histone H4 [ac Lys8] Antibody [NBP2-59260] - A Dot Blot analysis was performed to test the cross reactivity of the antibody against H4K8ac with peptides containing other histone modifications and the unmodified H4K8. One hundred to 0.2 pmol of the respective peptides 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.





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Products Related to NBP2-59260

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-2090PEP	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.

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