

Product Datasheet

Histone H3 [Methyl Lys79] Antibody - BSA Free NBP2-59210

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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NBP2-59210

Histone H3 [Methyl Lys79] 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 Lys79] Antibody - BSA Free (NBP2-59210) is a polyclonal antibody validated for use in WB, ELISA and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Yeast
Immunogen	The exact sequence of the immunogen to this Histone H3 [Methyl Lys79] antibody is proprietary.

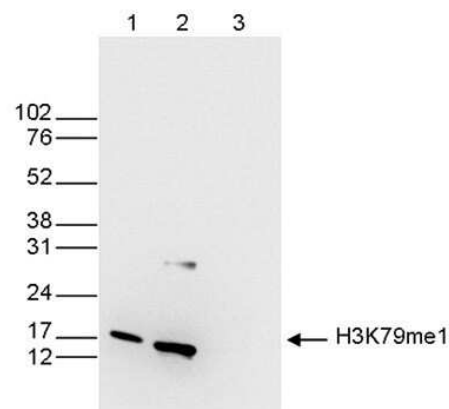
Product Application Details

Applications	Western Blot, Dot Blot, ELISA, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing
Recommended Dilutions	Western Blot 1:200, ELISA 1:500, Dot Blot 1:20000, Chromatin Immunoprecipitation (ChIP) 1-2 ug/IP, Chromatin Immunoprecipitation Sequencing

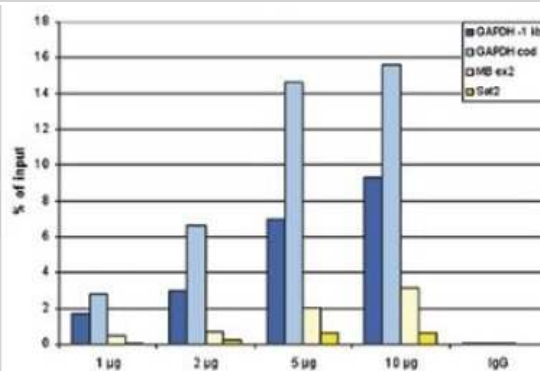


Images

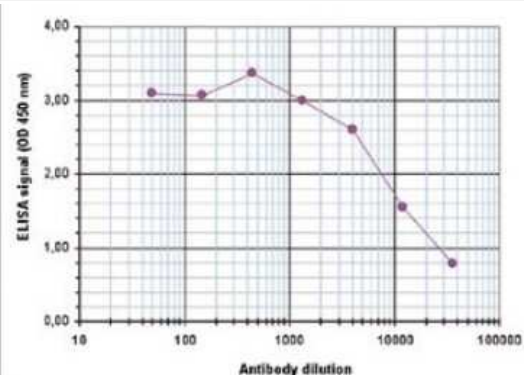
Western Blot: Histone H3 [Methyl Lys79] Antibody [NBP2-59210] - Western blot was performed on whole cell (25 ug, lane 1) and histone extracts (15 ug, lane 2) from HeLa cells, and on 1 ug of recombinant histone H3 (lane 3) using the antibody against H3K79me1. The antibody was diluted 1:200 in TBS-Tween containing 5% skimmed milk. Observed molecular weight is ~16 kDa.



Chromatin Immunoprecipitation: Histone H3 [Methyl Lys79] Antibody [NBP2-59210] - ChIP assays were performed using human HeLa cells, the antibody against H3K79me1 and optimized PCR primer pairs for qPCR. ChIP was performed using sheared chromatin from 1 million cells. A titration consisting of 1, 2, 5 and 10 ug of antibody per ChIP experiment was analyzed. IgG (2 ug/IP) was used as a negative IP control. Quantitative PCR was performed with primers specific for a region 1 kb upstream of the promoter and the coding region of the active GAPDH gene, used as positive controls, and for exon 2 of the inactive myoglobin (MB) gene and the Sat2 satellite repeat, used as negative controls. 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 Lys79] Antibody [NBP2-59210] - To determine the titer of the antibody, an ELISA was performed using a serial dilution of the antibody directed against H3K79me1. 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 1:11,500.





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Products Related to NBP2-59210

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1252PEP	Histone H3 [Dimethyl Lys36] 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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