

Product Datasheet

Histone H3 Antibody NBP2-59280

Unit Size: 50 ug

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

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Updated 7/17/2023 v.20.1

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NBP2-59280

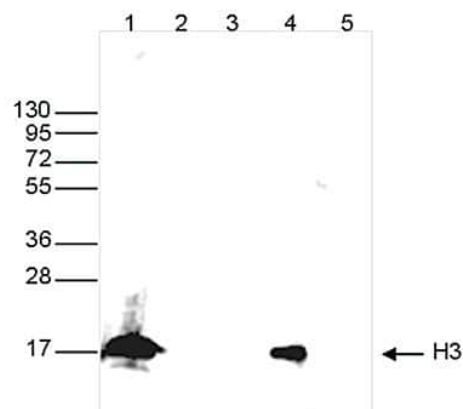
Histone H3 Antibody

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 antibody is proprietary.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, ELISA, Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Chromatin Immunoprecipitation 1 - 2 ug, ELISA 1:10000, Immunofluorescence 1:500

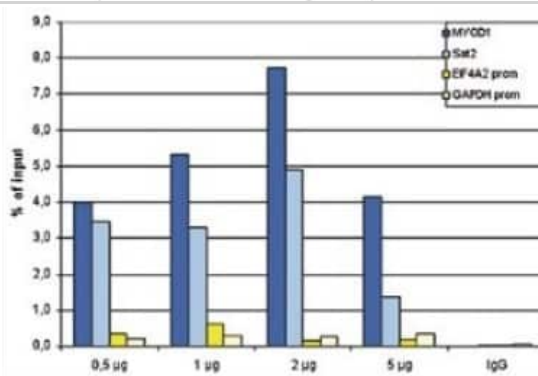


Images

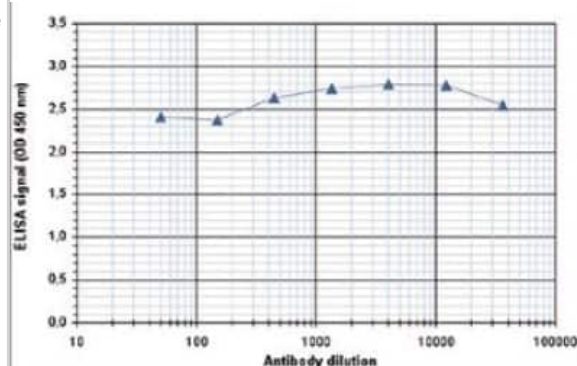
Western Blot: Histone H3 Antibody [NBP2-59280] - Western blot was performed on whole cell extracts from HeLa cells (25 ug, lane 1), and on 1 ug of recombinant histone H2A, H2B, H3 and H4 (lane 2, 3, 4 and 5, respectively) using the antibody against H3. The antibody was diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. Observed molecular weight is ~17 kDa.



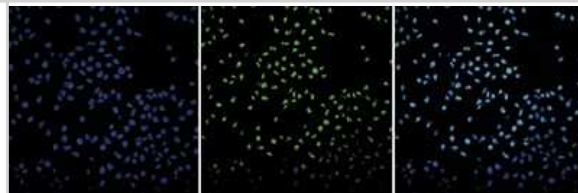
Chromatin Immunoprecipitation: Histone H3 Antibody [NBP2-59280] - ChIP assays were performed using human HeLa cells, the antibody against H3 and optimized PCR primer pairs for qPCR. ChIP was performed using sheared chromatin from 1 million cells. A titration consisting of 0.5, 1, 2 and 5 ug of antibody per ChIP experiment was analyzed. IgG (2 ug/IP) was used as a negative IP control. Quantitative PCR was performed with primers specific for the promoters of the active GAPDH and EIF4A2 genes, and for the inactive MYOD1 gene and the Sat2 satellite repeat. Figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis). immunoprecipitated DNA compared to input DNA after qPCR analysis).



ELISA: Histone H3 Antibody [NBP2-59280] - To determine the titer of the antibody, an ELISA was performed using a serial dilution of the antibody directed against H3pan. The plates were coated with the peptides used for immunization. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be >1:1,000,000.



Immunofluorescence: Histone H3 Antibody [NBP2-59280] - HeLa cells were stained with the antibody against H3 and with DAPI. Cells were fixed with 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 1% BSA. The cells were immunofluorescently labeled with the H3 antibody (middle) diluted 1:500 in blocking solution followed by an anti-rabbit antibody conjugated to Alexa Fluor 488. The left panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.





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