

Product Datasheet

Histone H3 Antibody NBP2-59173

Unit Size: 100 ul

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

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Updated 2/9/2023 v.20.1

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NBP2-59173

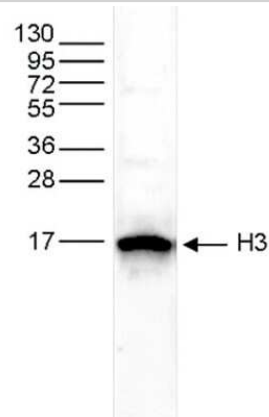
Histone H3 Antibody

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
Target Molecular Weight	15 kDa
Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Zebrafish
Immunogen	The exact sequence of the immunogen to this Histone H3 antibody is proprietary.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, ELISA
Recommended Dilutions	Western Blot 1:500, Chromatin Immunoprecipitation 1 uL/IP, ELISA 1:10000

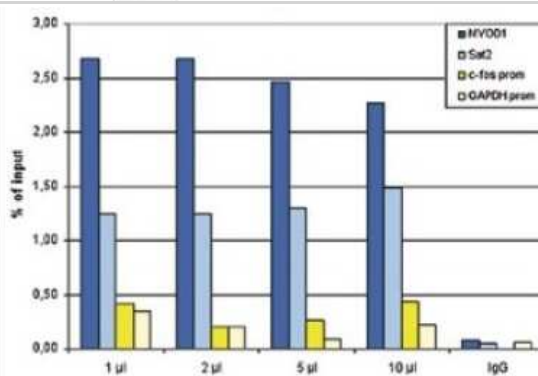


Images

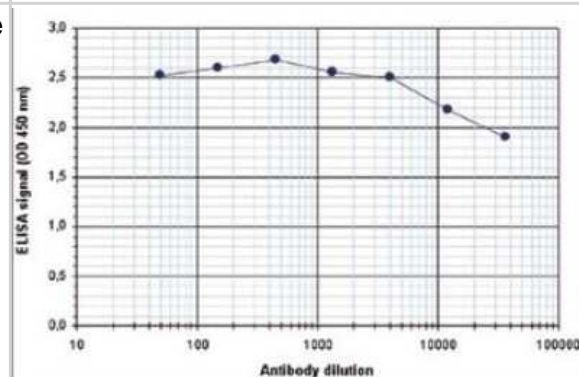
Western Blot: Histone H3 Antibody [NBP2-59173] - Whole cell extracts from HeLa cells (25 ug) were analysed by Western blot using the antibody against H3pan diluted 1:500 in TBS-Tween containing 5% skimmed milk. Observed molecular weight is ~17 kDa.



Chromatin Immunoprecipitation: Histone H3 Antibody [NBP2-59173] - ChIP assays were performed using human HeLa cells, the antibody against H3pan and optimized PCR primer sets for qPCR. ChIP was performed with the Auto Histone ChIP-seq kit, using sheared chromatin from 1 million cells. A titration of the antibody consisting of 1, 2, 5, and 10 ul per ChIP experiment was analysed. IgG (2 ug/IP) was used as negative IP control. QPCR was performed with primers for the promoters of the active GAPDH and EIF4A2 genes, used as negative controls, and for the inactive MYOD1 and the Sat2 satellite repeat, used as positive 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 Antibody [NBP2-59173] - 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.





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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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