

# Product Datasheet

## Histone H3 Antibody (C.15200187) NBP2-59304

Unit Size: 50 ug

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

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**NBP2-59304**

Histone H3 Antibody (C.15200187)

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	Monoclonal
Clone	C.15200187
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	15 kDa

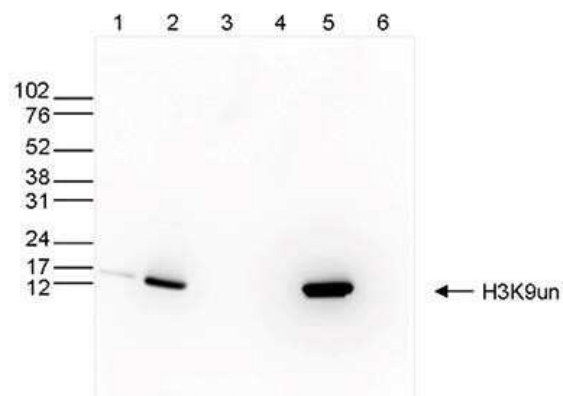
Product Description	
Host	Mouse
Gene ID	126961
Gene Symbol	H3C14
Species	Human
Immunogen	This Histone H3 antibody (C.15200187) was raised against monoclonal antibody raised in mouse against a region of histone H3 containing the unmodified lysine 9 (H3K9un), using a KLH-conjugated synthetic peptide.

Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug, Chromatin Immunoprecipitation 1:1000, Immunocytochemistry/ Immunofluorescence

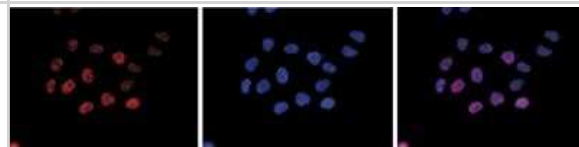


## Images

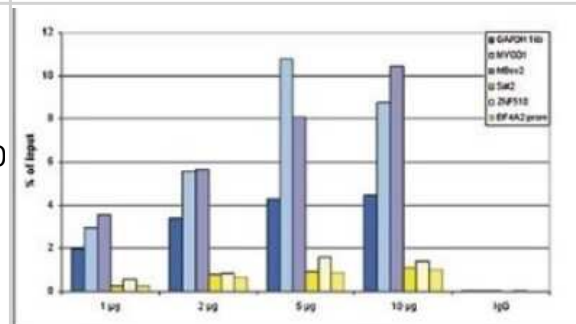
Western Blot: Histone H3 Antibody (C.15200187) [NBP2-59304] - Whole cell (25 ug, lane 1) and histone extracts (15 ug, lane 2) from HeLa cells, and on 1 ug of recombinant histone H2A, H2B, H3 and H4 (lane 3, 4, 5 and 6, respectively) using the antibody at 1:1,000 in TBS-Tween containing 5% skimmed milk. Observed molecular weight is ~13 kDa



Immunocytochemistry/Immunofluorescence: Histone H3 Antibody (C.15200187) [NBP2-59304] - HeLa cells were stained with the antibody (left) diluted 1:500 in blocking solution followed by an anti-mouse antibody conjugated to Alexa Fluor 594. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.



Chromatin Immunoprecipitation: Histone H3 Antibody (C.15200187) [NBP2-59304] - ChIP assays were performed using human HeLa cells, the antibody against H3K9un and optimized PCR primer sets for qPCR. ChIP was performed with a Histone ChIP-seq kit on sheared chromatin from 1 million cells. A titration of the antibody consisting of 1, 2, 5, and 10 ug per ChIP experiment was analysed. IgG (2 ug/IP) was used as negative IP control. QPCR was performed with primers for the coding regions of the MYOD1 and MB genes and for a region 1 kb upstream of the GAPDH promoter, used as positive controls, and for the ZNF510 coding region, the EIF4A2 promoter and the Sat2 satellite repeat region, 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).





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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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