

Product Datasheet

Histone H3 [Trimethyl Lys36] Antibody (C.15200183) - BSA Free NBP2-59301

Unit Size: 50 ug

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

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NBP2-59301

Histone H3 [Trimethyl Lys36] Antibody (C.15200183) - 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	Monoclonal
Clone	C.15200183
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	15 kDa

Product Description	
Description	Novus Biologicals Mouse Histone H3 [Trimethyl Lys36] Antibody (C.15200183) - BSA Free (NBP2-59301) is a monoclonal antibody validated for use in WB, ELISA, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Rat
Immunogen	The exact sequence of the immunogen to this Histone H3 [Trimethyl Lys36] antibody (C.15200183) is proprietary.

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000 - 1:2000, ELISA 1:3000, Immunocytochemistry/ Immunofluorescence 1:500, Dot Blot 1:10000, Chromatin Immunoprecipitation (ChIP) 0.5-1 ug

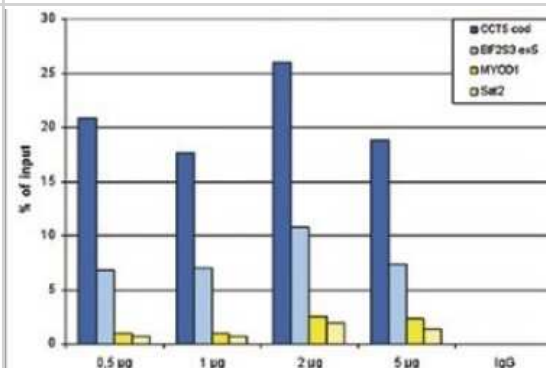


Images

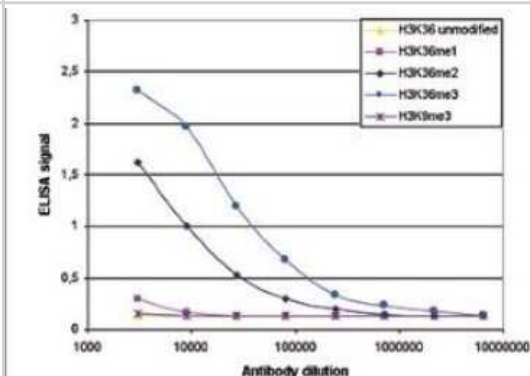
Immunocytochemistry/Immunofluorescence: Histone H3 [Trimethyl Lys36] Antibody (C.15200183) [NBP2-59301] - HeLa cells were stained with the antibody (left) diluted 1:500 in blocking solution followed by an anti-mouse antibody conjugated to Alexa Fluor 594. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.



Chromatin Immunoprecipitation: Histone H3 [Trimethyl Lys36] Antibody (C.15200183) [NBP2-59301] - ChIP assays were performed using human HeLa cells, the antibody against H3K36me3 and optimized PCR primer pairs for qPCR. ChIP was performed with the Auto Histone ChIP-seq kit, 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 (1 ug/IP) was used as a negative IP control. Quantitative PCR was performed with primers specific for the coding regions of the active EIF2S3 and CCT5 genes, used as positive controls, and for the inactive MYOD1 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 [Trimethyl Lys36] Antibody (C.15200183) [NBP2-59301] - To test the specificity an ELISA was performed using a serial dilution of the antibody against H3K36me3. The wells were coated with peptides containing the unmodified H3K36 region as well as the mono-, di- and trimethylated H3K36 and the trimethylated H3K9. Figure shows a high specificity of the antibody for the peptide containing the modification of interest.



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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB21-1037PEP	Histone H3 [Monomethyl Lys4, p Thr6] 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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