

Product Datasheet

Histone H3 [Dimethyl Lys36] Antibody (C.15200182) - BSA Free NBP2-59296

Unit Size: 50 ug

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

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NBP2-59296

Histone H3 [Dimethyl Lys36] Antibody (C.15200182) - 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.15200182
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	15 kDa

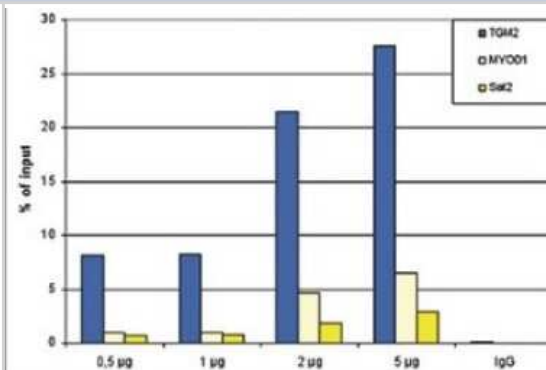
Product Description	
Description	Novus Biologicals Mouse Histone H3 [Dimethyl Lys36] Antibody (C.15200182) - BSA Free (NBP2-59296) is a monoclonal antibody validated for use in WB, ELISA and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	126961
Gene Symbol	H3C14
Species	Human
Immunogen	The exact sequence of the immunogen to this Histone H3 [Dimethyl Lys36] antibody (C.15200182) is proprietary.

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000 - 1:2000, ELISA 1:3000, Dot Blot 1:10000, Chromatin Immunoprecipitation (ChIP) 1-2 ug/IP

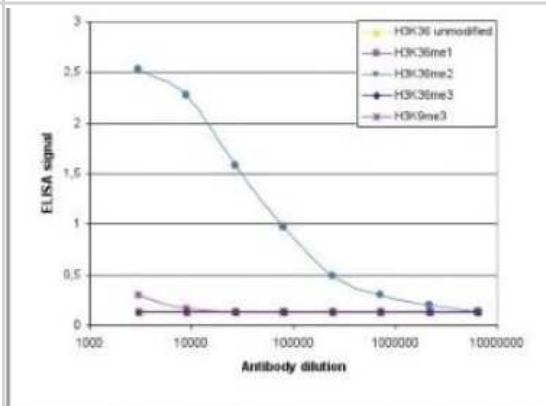


Images

Chromatin Immunoprecipitation: Histone H3 [Dimethyl Lys36] Antibody (C.15200182) [NBP2-59296] - ChIP assays were performed using human HeLa cells, the antibody against H3K36me2 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 a genomic region upstream of the TGM2 gene, used as a positive control, 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 [Dimethyl Lys36] Antibody (C.15200182) [NBP2-59296] - Cross reactivity of the antibody directed against H3K36me2. To test the specificity an ELISA was performed using a serial dilution of the antibody against H3K36me2. 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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Products Related to NBP2-59296

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB21-1021PEP	Histone H3 [Monomethyl Lys4] 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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