

Product Datasheet

Histone H4 [Methyl Lys20] Antibody (C.15200147) NBP2-59236

Unit Size: 50 ug

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

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NBP2-59236

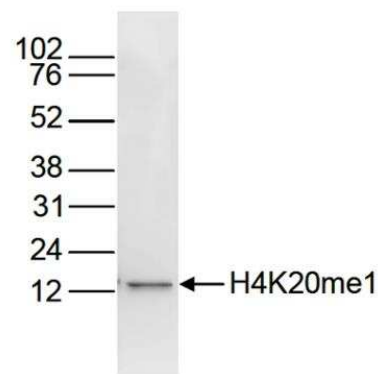
Histone H4 [Methyl Lys20] Antibody (C.15200147)

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.15200147
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	121504
Gene Symbol	HIST4H4
Species	Human, Mouse
Immunogen	The exact immunogen is proprietary information.
Product Application Details	
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence, Dot Blot 1:20000, Chromatin Immunoprecipitation (ChIP) 0.5-1 ug/ChIP, Chromatin Immunoprecipitation Sequencing 0.5 - 1 ug/ChIP

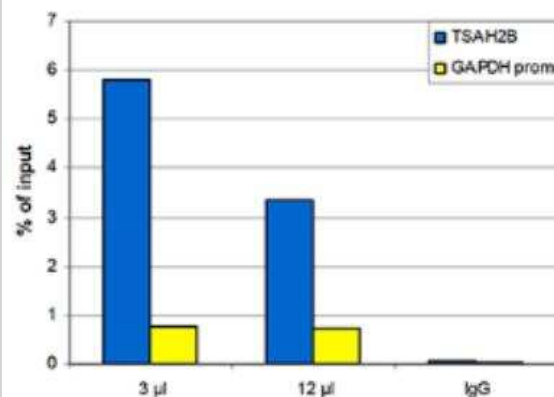


Images

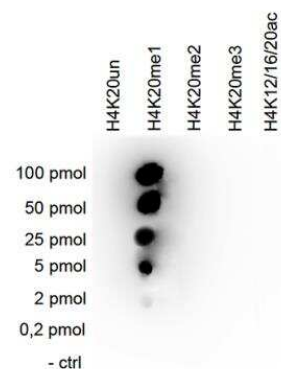
Western Blot: Histone H4 [Methyl Lys20] Antibody (C.15200147) [NBP2-59236] - Histone extracts of HeLa cells (15 ug) were analysed by Western blot using the monoclonal antibody against H4K20me1 diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right; the marker (kDa) is shown on the left.



Chromatin Immunoprecipitation: Histone H4 [Methyl Lys20] Antibody (C.15200147) [NBP2-59236] - ChIP assays were performed using human HeLa cells, the monoclonal antibody against H4K20me1 and optimized PCR primer sets for qPCR. ChIP was performed using sheared chromatin from 10,000 cells. Two different quantities of antibody (3 and 12 uL per ChIP experiment) were analysed. IgG (1 ug/IP) was used as negative IP control. QPCR was performed with primers for the GAPDH promoter and for the inactive gene TSH2B. Figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



Dot Blot: Histone H4 [Methyl Lys20] Antibody (C.15200147) [NBP2-59236] - To check the specificity of the monoclonal antibody against H4K20me1, a Dot Blot was performed with peptides containing different modifications or unmodified sequences of histone H4. One hundred to 0.2 pmol of peptide containing the respective histone modification were spotted on a membrane. The antibody was used at a dilution of 1:10,000. Figure shows a high specificity of the antibody for the modification of interest.





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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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