

# Product Datasheet

## Histone H4 [Dimethyl Lys20] Antibody (282) - Azide and BSA Free NBP2-42860

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-42860**

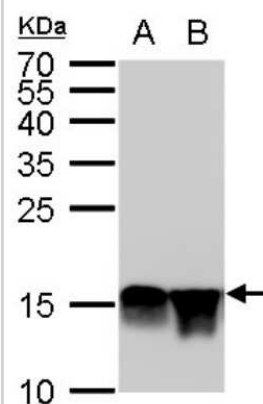
Histone H4 [Dimethyl Lys20] Antibody (282) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	282
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	11 kDa
Product Description	
Host	Mouse
Gene ID	121504
Gene Symbol	H4C16
Species	Human, Yeast
Immunogen	Carrier-protein conjugated synthetic peptide surrounding di-methyl Lys20 of human Histone H4. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Dot Blot 1:500, Chromatin Immunoprecipitation (ChIP)
Application Notes	Chip-Assay dependent

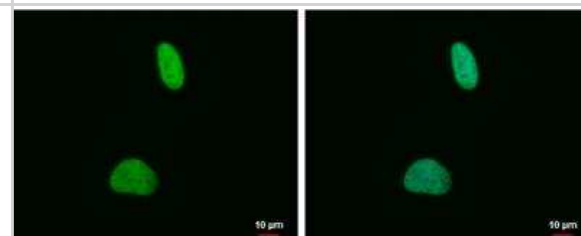


## Images

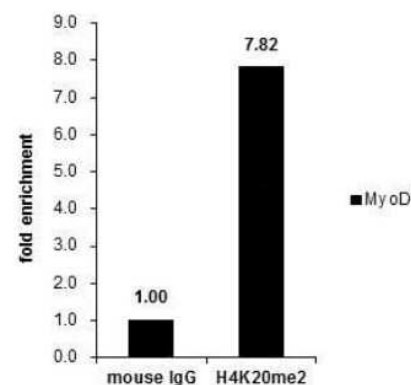
Western Blot: Histone H4 [Dimethyl Lys20] Antibody (282) [NBP2-42860]  
- Analysis of A. 30 ug HeLa whole cell lysate/extract B. 30 ug HeLa nuclear lysate/extract Histone H4 (di methyl Lys20) antibody [282]  
dilution: 1:5000



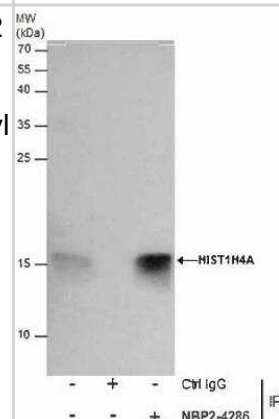
Immunocytochemistry/Immunofluorescence: Histone H4 [Dimethyl Lys20] Antibody (282) [NBP2-42860] - Analysis of Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Histone H4 (di-Methyl Lys20) protein stained by Histone H4 (di-Methyl Lys20) antibody [282] diluted at 1:500. Blue: Hoechst 33342 staining.



Chromatin Immunoprecipitation: Histone H4 [Dimethyl Lys20] Antibody (282) [NBP2-42860] - Cross-linked ChIP was performed with HeLa chromatin extract and 5 ug of either control mouse IgG or anti-Histone H4K20me2 (dimethyl Lys20) antibody. The precipitated DNA was detected by PCR with primer set targeting to MyoD.



Immunoprecipitation: Histone H4 [Dimethyl Lys20] Antibody (282) [NBP2-42860] - Analysis of HIST1H4A protein from HeLa whole cell extracts using 5 ug of Histone H4K20me2 (dimethyl Lys20) antibody [282]. Western blot analysis was performed using Histone H4K20me2 (dimethyl Lys20) antibody [282]. EasyBlot anti-mouse IgG was used as a secondary reagent.





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### **Products Related to NBP2-42860**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NB21-2011PEP	Histone H4 [Monomethyl Arg3] Antibody Blocking Peptide

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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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