

# Product Datasheet

## Histone H4 [ac Lys12] Antibody NB21-2064SS

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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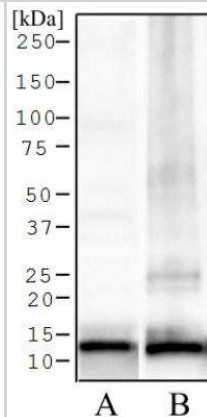
**NB21-2064SS**

Histone H4 [ac Lys12] Antibody

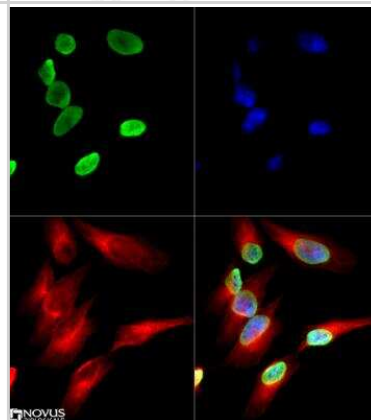
<b>Product Information</b>	
<b>Unit Size</b>	0.025 mg
<b>Concentration</b>	0.69 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	20mM Potassium Phosphate (pH 7.2) and 0.15M NaCl
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	121504
<b>Gene Symbol</b>	HIST4H4
<b>Species</b>	Human, Mouse, Rat, Mammal
<b>Reactivity Notes</b>	Predicted to react with most mammal species.
<b>Marker</b>	H4R3me1
<b>Immunogen</b>	Histone H4
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, Chromatin Immunoprecipitation 2-5 ug per million cells, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:10-1:100, Immunohistochemistry-Paraffin 1:500

## Images

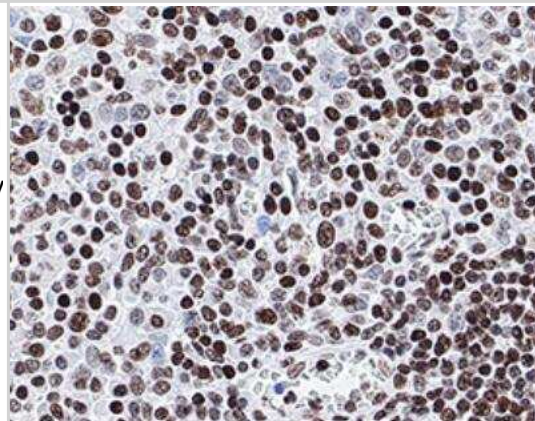
Western Blot: Histone H4 [ac Lys12] Antibody [NB21-2064] - Analysis of NIH 3T3 histone prep lysate (A), and HeLa histone prep lysate (B) using Histone H4 [ac Lys12] antibody at 1 ug/ml.



Immunocytochemistry/Immunofluorescence: Histone H4 [ac Lys12] Antibody [NB21-2064] - Tested at 1:10 in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). Image objective 40x.



Immunohistochemistry-Paraffin: Histone H4 [ac Lys12] Antibody [NB21-2064] - Analysis of FFPE human tonsil using Histone H4 [ac Lys12] antibody at 1:500 on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Nuclear staining was observed. Staining was performed by Histowiz.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **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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