

# Product Datasheet

## HIST1H3A Antibody NBP2-16837

Unit Size: 0.1 ml

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

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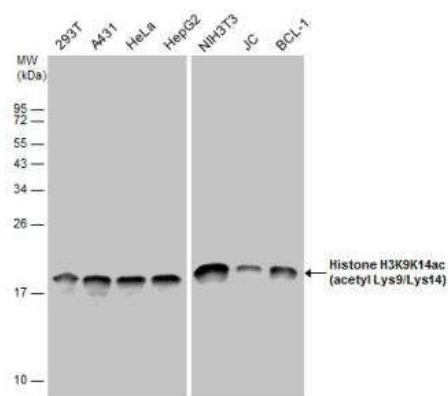
**NBP2-16837****HIST1H3A Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	15 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	8350
<b>Gene Symbol</b>	H3C1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Chimpanzee (100%).
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide surrounding acetyl Lys9/Lys14 of human HIST1H3A. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:20000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Dot Blot

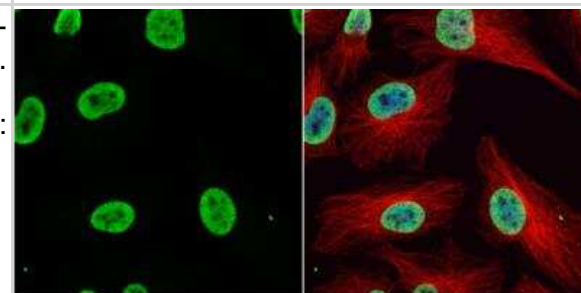


## Images

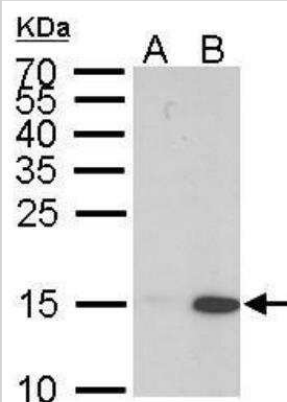
**Western Blot: HIST1H3A Antibody [NBP2-16837]** - Histone H3K9K14ac (acetyl Lys9/Lys14) antibody detects Histone H3K9K14ac (acetyl Lys9/Lys14) protein by western blot analysis. Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Histone H3K9K14ac (acetyl Lys9/Lys14) antibody diluted at a dilution of 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



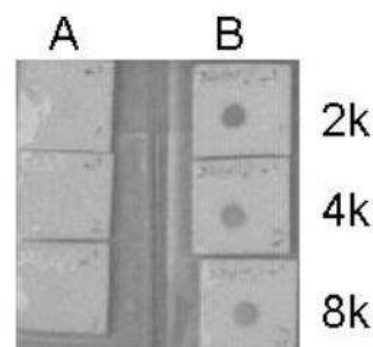
**Immunocytochemistry/Immunofluorescence: HIST1H3A Antibody [NBP2-16837]** - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Histone H3K9K14ac (acetyl Lys9/Lys14) protein stained by Histone H3K9K14ac (acetyl Lys9/Lys14) antibody diluted at 1:1000. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] diluted at 1:1000. Blue: Hoechst 33342 staining.



**Western Blot: HIST1H3A Antibody [NBP2-16837]** - Histone H3 (acetyl Lys 9, Lys14) antibody detects Histone H3 (acetyl Lys 9, Lys14) protein by western blot analysis, 15% SDS-PAGE.  
 A. 30 ug HeLa whole cell lysate/extract (untreated)  
 B. 30 ug HeLa whole cell lysate/extract (0.4 uM Trichostatin treatment for 18 hr)  
 The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



**Dot Blot: HIST1H3A Antibody [NBP2-16837]** - Dotblot analysis of anti-Histone H3 (acetyl Lys 9, Lys14) antibody with peptide samples. Peptide samples (0.1 ug) were spotted onto positively charged nylon membrane and blotted with Histone H3 (acetyl Lys 9, Lys14) antibody at different dilution as indicated. A: Peptide samples of Histone H3.1 B: Peptide samples of Histone H3 (acetyl Lys 9, Lys14)





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### **Products Related to NBP2-16837**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-06572	HIST2H3C Overexpression Lysate

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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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