

# Product Datasheet

## HIST1H3A [p Ser10] Antibody NB100-97852

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NB100-97852****HIST1H3A [p Ser10] Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	TBS and 0.1% BSA

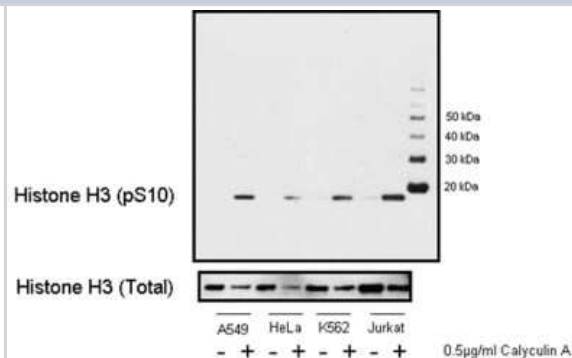
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit HIST1H3A [p Ser10] Antibody (NB100-97852) is a polyclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	8350
<b>Gene Symbol</b>	H3C1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	D. melanogaster, Orangutan (100%).
<b>Immunogen</b>	Immunogen for A301-844A with this antibody a synthetic phosphorylated peptide, which represented a portion of human Histone H3 surrounding serine 10 according to the numbering given in entry NP_003520.1 (GeneID 8350).

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:10000, Flow Cytometry 0.4 ug , Immunohistochemistry 1:2000 - 1:10000, Immunocytochemistry/ Immunofluorescence 1:2000 - 1:10000, Immunohistochemistry-Paraffin 1:2000 - 1:10000
<b>Application Notes</b>	Flow Cytometry 0.4 ug per 1 million cells in a 150 mcl reaction. Immunofluorescence (ICC) 1:2,000 - 1:10,000. Formaldehyde fixation and permeabilization with Triton-X 100 is recommended. Acetone fixation may adversely effect staining. Immunohistochemistry 1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

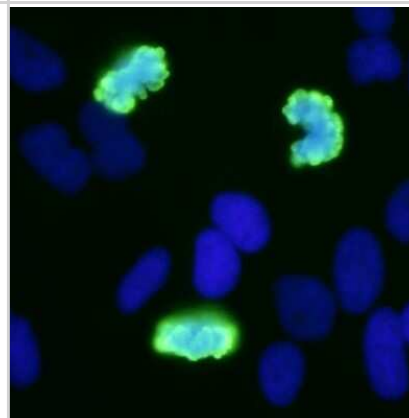


## Images

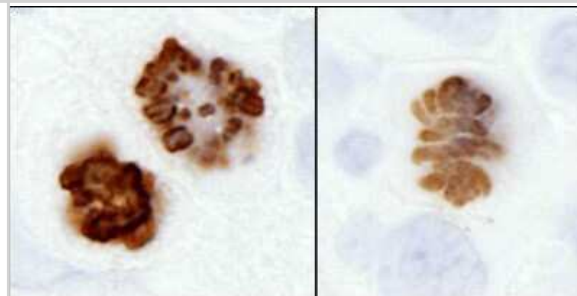
**Western Blot: HIST1H3A [p Ser10] Antibody [NB100-97852]** - Detection of Phospho Human Histone H3 (pS10) by Western Blot. A549, HeLa, K562, and Jurkat cell lines were stimulated with 0.5 ug/ml of Calyculin A at 37 degrees C, 5% CO2 for 15 minutes. Cells were subsequently lysed and 1 ug of appropriate cell lysates were loaded into respective wells. Western blot was performed using affinity purified rabbit anti-Histone H3 (pS10) antibody NB100-97852 (20 ng/ml) and affinity purified rabbit anti-Histone H3 antibody (1 ug/ml; Western blots were developed utilizing chemiluminescence with an exposure time of 30 seconds.



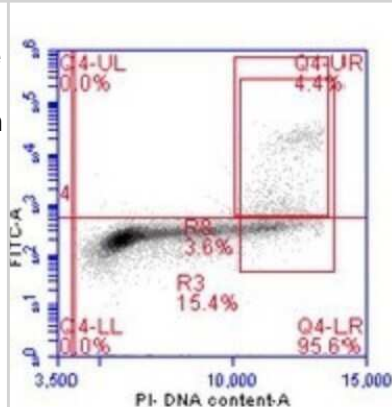
**Immunocytochemistry/Immunofluorescence: HIST1H3A [p Ser10] Antibody [NB100-97852]** - NBF-fixed asynchronous HeLa cells. Antibody used at a dilution of 1:2,500.



**Immunohistochemistry-Paraffin: HIST1H3A [p Ser10] Antibody [NB100-97852]** - Section of human colon carcinoma (left) and mouse squamous cell carcinoma (right). Antibody: Affinity purified rabbit anti-Phospho Histone H3 (S10) used at a dilution of 1:2,500 (0.08 ug/ml). Detection: DAB



**Flow Cytometry: HIST1H3A [p Ser10] Antibody [NB100-97852]** - Detection of phospho Histone H3 Ser10. Asynchronous Jurkat cells were fixed in 1.5% PFA and permeabilized in 90% methanol. 1 million cells were stained with 0.4 ug anti-phospho Histone H3 (S10) NB100-97852 in a 150 ul reaction.





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### **Products Related to NB100-97852**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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