

# Product Datasheet

## Acetyl Histone H4 Antibody Pack NBP3-20193

Unit Size: 6 Vials

Storage is content dependent.

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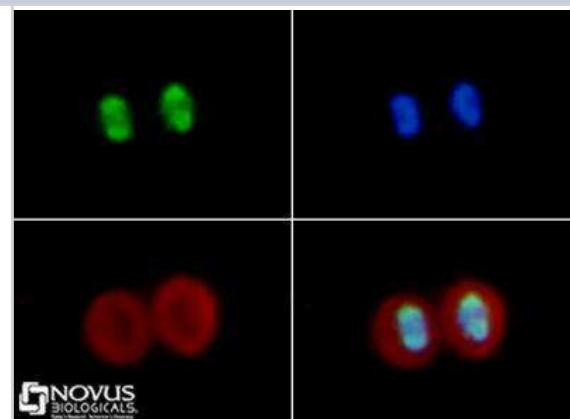
**NBP3-20193****Acetyl Histone H4 Antibody Pack**

<b>Product Information</b>	
<b>Unit Size</b>	6 Vials
<b>Concentration</b>	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
<b>Storage</b>	Storage is content dependent.
<b>Product Description</b>	
<b>Description</b>	This pack contains 1 vial each of: NB21-2077SS (0.025 mg), NB21-2044SS (0.025 mg), MAB9549-SP (0.025 mg), AF5215-SP (0.025 mg), HAF008 (1.0 ml) and HAF016 (1.0 ml).
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Antibodies in this pack are validated for use in the following species: NB21-2077: Human, Mammal, Mouse, Porcine, Rat NB21-2044: C. elegans, Human, Mouse MAB9549: Human AF5215: Human, Mouse HAF008: Rabbit HAF016: Sheep
<b>Immunogen</b>	See individual datasheets.
<b>Kit Components</b>	NB21-2077SS, NB21-2044SS, MAB9549-SP, AF5215-SP, HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP], HAF016: Donkey anti-Sheep IgG Secondary Antibody [HRP]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot, Immunocytochemistry/Immunofluorescence
<b>Application Notes</b>	Antibodies in this pack are validated for the following applications:  NB21-2077: Chromatin Immunoprecipitation (Negative), Dot Blot, Immunocytochemistry/Immunofluorescence, Western Blot NB21-2044: Chromatin Immunoprecipitation, Dot Blot, Immunocytochemistry/Immunofluorescence, Western Blot MAB9549: Immunocytochemistry, Western Blot AF5215: Immunocytochemistry, Western Blot HAF008: Immunohistochemistry, Western Blot HAF016: Immunohistochemistry, Simple Western, Western Blot

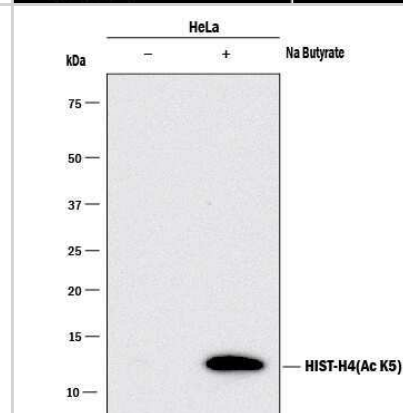


## Images

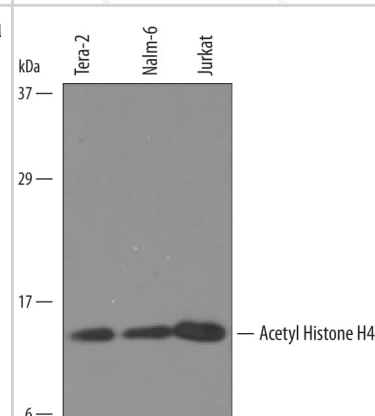
Histone H4 acetyl Lysine 16 was detected in HeLa cells using Rabbit Anti-Human Histone H4 acetyl Lysine 16 Polyclonal Antibody (Catalog # NB21-2077). Cells were stained using a FITC-conjugated Anti-Rabbit IgG Secondary Antibody (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 10mM Sodium (Na) Butyrate for 24 hours. PVDF membrane was probed with 0.1 µg/mL of Rabbit Anti-Human Acetyl Histone H4 (Lys5) Monoclonal Antibody (Catalog # MAB9549) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Acetyl Histone H4 (Lys5) at approximately 12 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



Western blot shows lysates of Tera-2 human embryonic lung carcinoma cell line, Nalm-6 human Pre-B acute lymphocytic leukemia cell line, and Jurkat human acute T cell leukemia cell line. PVDF Membrane was probed with 1 µg/mL of Sheep Anti-Human Acetyl Histone H4 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5215) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for Acetyl Histone H4 at approximately 12 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Antibody Packs are guaranteed for 1 year from date of receipt.

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