

# Product Datasheet

## Class I Histone Deacetylases Antibody Pack NBP3-20195

Unit Size: 7 Vials

Storage is content dependent.

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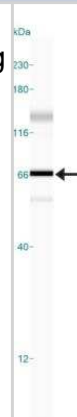
**NBP3-20195****Class I Histone Deacetylases Antibody Pack**

<b>Product Information</b>	
<b>Unit Size</b>	7 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: NB100-56340SS (0.025 mg), MAB7679-SP (0.025 mg), NB100-1669SS (0.025 mg), AF4359-SP (0.025 mg), HAF007 (1.0 ml), HAF008 (1.0 ml) and HAF016 (1.0 ml).
<b>Species</b>	Human
<b>Reactivity Notes</b>	See individual datasheets of components for their validated species
<b>Immunogen</b>	See individual datasheets.
<b>Kit Components</b>	NB100-56340SS, MAB7679-SP, NB100-1669SS, AF4359-SP, HAF007: Goat anti-Mouse IgG Secondary Antibody [HRP], 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, Simple Western, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot, Simple Western, Immunohistochemistry
<b>Application Notes</b>	See individual datasheets of components for their validated applications

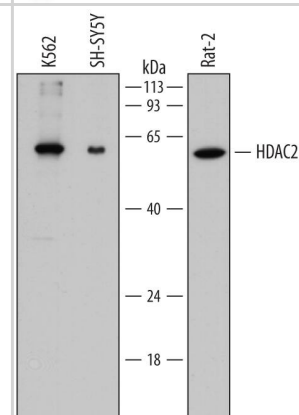


## Images

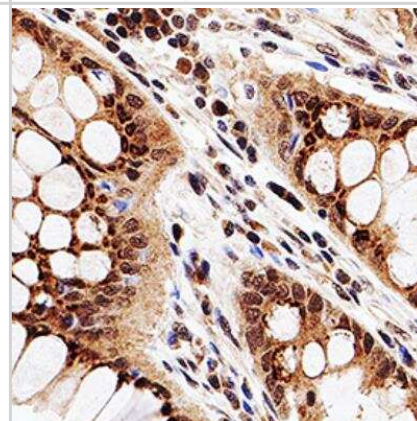
Simple Western lane view shows a specific band for HDAC1 in 0.5 mg/ml of HEK293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



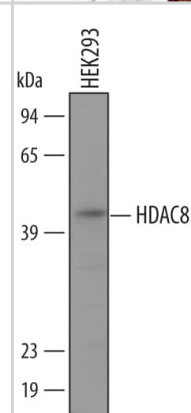
Western blot shows lysates of K562 human chronic myelogenous leukemia cell line, SH-SY5Y human neuroblastoma cell line, and Rat-2 rat embryonic fibroblast cell line. PVDF membrane was probed with 0.2 µg/mL of Mouse Anti-Human Histone Deacetylase 2/HDAC2 Monoclonal Antibody (Catalog # MAB7679) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Histone Deacetylase 2/HDAC2 at approximately 60 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



Analysis human colon cancer using 1:50 conc. of HDAC3 antibody 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 of HDAC3 was observed.



Western blot shows lysates of HEK293 human embryonic kidney cell line. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Human/Mouse Histone Deacetylase 8/HDAC8 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4359) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for Histone Deacetylase 8/HDAC8 at approximately 50 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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