

# Product Datasheet

## HDAC7 Antibody NB100-2146

Unit Size: 0.05 ml

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

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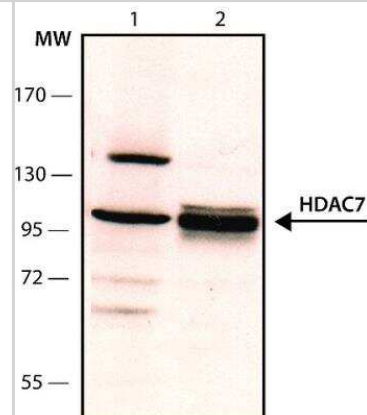
**NB100-2146**

## HDAC7 Antibody

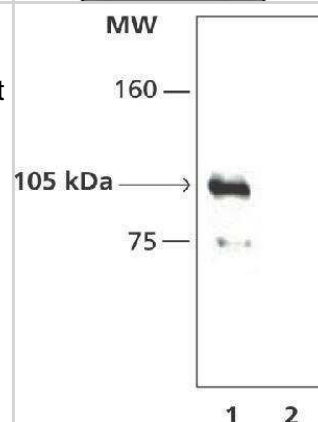
Product Information	
<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.9% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	10mM PBS (pH 7.4) and 1.0% BSA
<b>Target Molecular Weight</b>	~105 kDa
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	51564
<b>Gene Symbol</b>	HDAC7
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Cross-reacts with Human, Mouse and Rat. Not yet tested in other species.
<b>Specificity/Sensitivity</b>	Predicted molecular weight: 105 kDa. Additional bands may be detected in various extract preparations. Detection of HDAC7 is specifically inhibited with the immunizing peptide.
<b>Immunogen</b>	Synthetic peptide corresponding to amino acids 357-373 of Human HDAC7 (RSEPLPPSATAPPPGP) conjugated to KLH. The corresponding sequence is identical in mouse.
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:50, Immunoprecipitation 1.0 - 1.5 ug
<b>Application Notes</b>	IF: Use normal rat kidney (NRK) cells. Immunoprecipitates HDAC7 from a RIPA extract of 293T cells expressing recombinant human HDAC7. WB: Use at a dilution using whole extracts of mouse NIH-3T3 cells. Optimal dilutions/concentrations should be determined by the end user.

## Images

Western Blot: HDAC7 Antibody [NB100-2146] - Cell line lysates were separated on SDS-PAGE and probed with 1:500 Rabbit Anti-Histone Deacetylase 7 (HDAC7) (KG-17). The antibody was developed using Goat Anti-Rabbit IgG-Peroxidase ) and a chemiluminescent substrate. Lanes: 1. HeLa nuclear 2. NIH-3T3



Immunoprecipitation: HDAC7 Antibody [NB100-2146] - Immunoprecipitation HDAC7 was immunoprecipitated from whole cell extract of human HEK 293T cells expressing HDAC7-FLAG using Rabbit Anti-HDAC7 (KG-17) antibody (NB100-2146). The IP samples were separated on SDS-PAGE and blotted with Rabbit Anti-FLAG antibody. The antibody was developed with Goat anti-Rabbit IgG, Peroxidase conjugate and chemiluminescent substrate. Lane 1: 1.8 ug Antibody immunoprecipitates HDAC7 from a RIPA extract of 180 ug of 293T cells expressing HDAC7-FLAG. Lane 2: negative control (extract without antibody).





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### **Products Related to NB100-2146**

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NB800-PC8	NIH 3T3 Whole Cell Lysate
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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