

# Product Datasheet

## Histone Deacetylase 4/HDAC4 Antibody - BSA Free NBP2-16793

Unit Size: 0.1 ml

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

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Updated 9/25/2025 v.20.1

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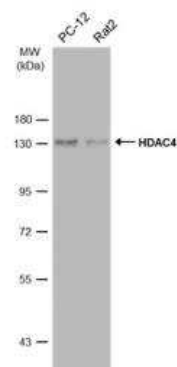


**NBP2-16793****Histone Deacetylase 4/HDAC4 Antibody - BSA Free**

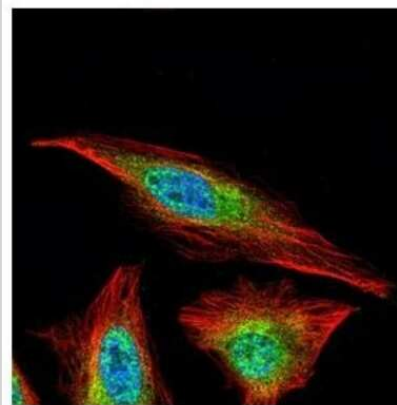
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	119 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Histone Deacetylase 4/HDAC4 Antibody - BSA Free (NBP2-16793) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Histone Deacetylase 4/HDAC4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	9759
<b>Gene Symbol</b>	HDAC4
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Chicken (85%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Histone Deacetylase 4/HDAC4. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen, Knockdown Validated
<b>Application Notes</b>	IHC-FR-Assay dependent

## Images

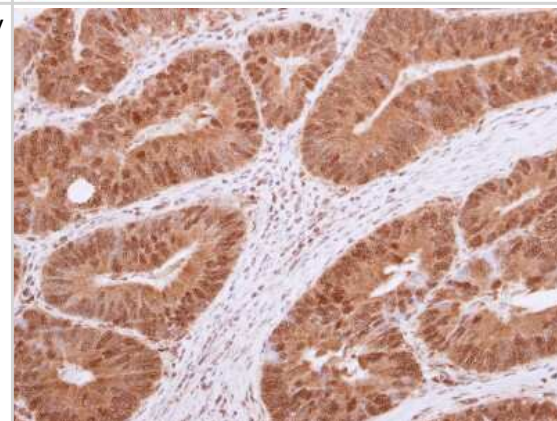
**Western Blot: Histone Deacetylase 4/HDAC4 Antibody [NBP2-16793]** - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Histone Deacetylase 4/HDAC4 Antibody, Internal (NBP2-16793) diluted at 1:1000. An HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



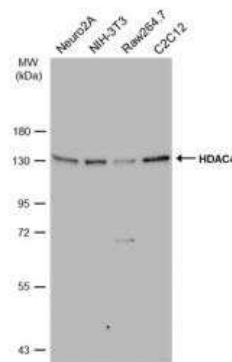
**Immunocytochemistry/Immunofluorescence: Histone Deacetylase 4/HDAC4 Antibody [NBP2-16793]** - Confocal immunofluorescence analysis of paraformaldehyde-fixed HeLa, using HDAC4 antibody (Green) at 1:500 dilution. Alpha-tubulin filaments are labeled with Alpha-tubulin antibody (Red) at 1:2000.



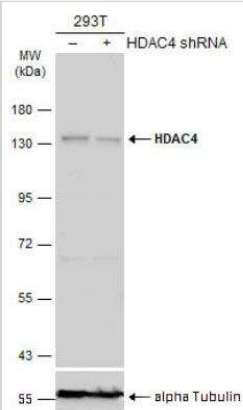
**Immunohistochemistry-Paraffin: Histone Deacetylase 4/HDAC4 Antibody [NBP2-16793]** - Human colon carcinoma, using HDAC4 antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



**Western Blot: Histone Deacetylase 4/HDAC4 Antibody [NBP2-16793]** - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Histone Deacetylase 4/HDAC4 Antibody (NBP2-16793) diluted at 1:1000. An HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Histone Deacetylase 4/HDAC4 Antibody [NBP2-16793] - Non-transfected (-) and transfected (+) 293T whole cell extracts (60 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with diluted at 1:1000. An HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



HDAC4 antibody [N3C1], Internal immunoprecipitates HDAC4 protein in IP experiments.

IP samples: Jurkat whole cell extract

A. Control with 4 ug of preimmune Rabbit IgG

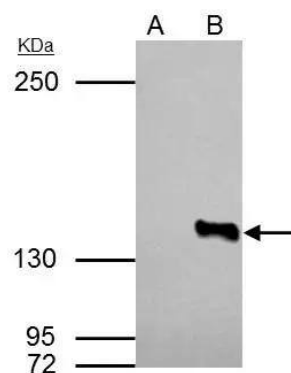
B. Immunoprecipitation of HDAC4 protein by 4 ug HDAC4 antibody

[N3C1], Internal (NBP2-16793)

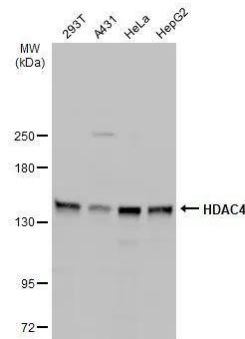
5 % SDS-PAGE

The immunoprecipitated HDAC4 protein was detected by HDAC4 antibody [N3C1], Internal (NBP2-16793) diluted at 1:500.

[EasyBlot anti-rabbit IgG was used as a secondary reagent]



Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with HDAC4 antibody [N3C1], Internal (NBP2-16793) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Srivastava P, Mishra N, Dubey S et al. Dual regulatory role of hsa-miR-122b-5p in chikungunya virus infection via interaction with CHIKV 3'-UTR and HDAC4 modulation. *Journal of Virology* 2025-09-16 [PMID: 40956096]

Sirchia SM, Favarsani A, Rovina D et al. Epigenetic effects of chromatin remodeling agents on organotypic cultures *Epigenomics* 2016-03-01 [PMID: 26949823] (IHC-P, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-16793**

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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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