

# Product Datasheet

## HDAC3 Antibody - BSA Free

### NBP1-31196

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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**NBP1-31196**

HDAC3 Antibody - BSA Free

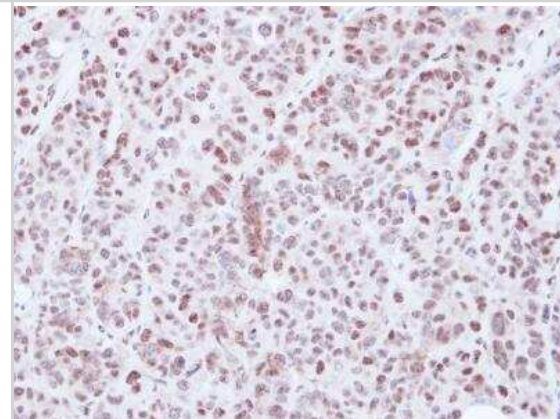
Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	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>	49 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit HDAC3 Antibody - BSA Free (NBP1-31196) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	8841
<b>Gene Symbol</b>	HDAC3
<b>Species</b>	Human, Mouse, Rat, Drosophila
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human HDAC3. The exact sequence is proprietary.

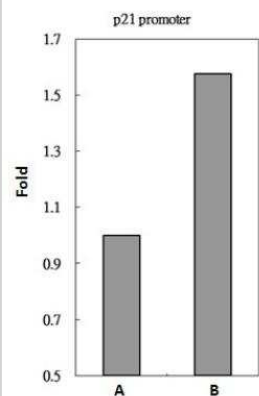
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Chromatin Immunoprecipitation (ChIP) Assay dependent

**Images**

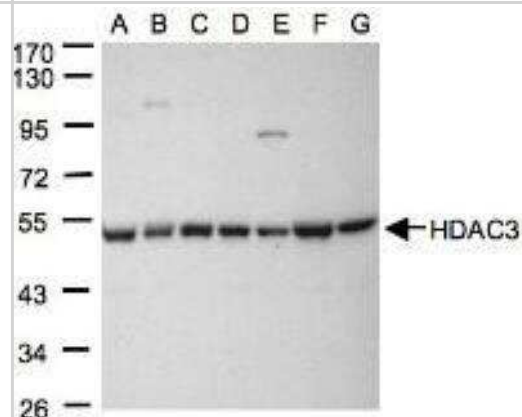
Immunohistochemistry-Paraffin: HDAC3 Antibody [NBP1-31196] - SW480 xenograft, using HDAC3 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



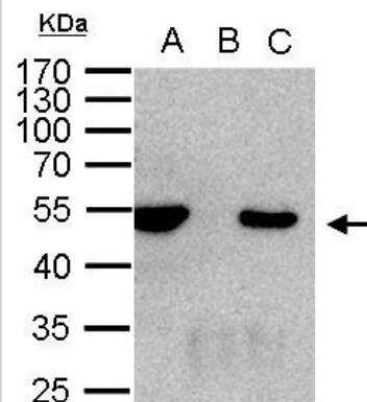
Chromatin Immunoprecipitation: HDAC3 Antibody [NBP1-31196] - Sample: 293T whole cell lysate/extract A. 5 ug preimmune rabbit IgG, B. 5 ug of HDAC3 antibody The precipitated DNA was detected by PCR with primer set targeting to p21 promoter.



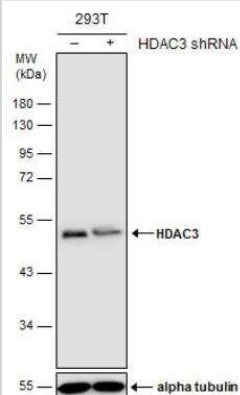
Western Blot: HDAC3 Antibody [NBP1-31196] - Analysis of on: A: 293T B: A431 C: H1299 D: HeLa S3 E: Hep G2 F: MOLT4 G: Raji 10% SDS PAGE diluted at 1:1000



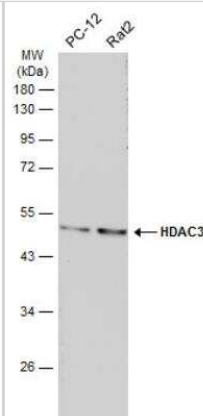
Western Blot: HDAC3 Antibody [NBP1-31196] - Sample: 1000 ug 293T whole cell lysate/extract A. 50 ug 293T whole cell lysate/extract, B. Control with 2 ug of preimmune rabbit IgG, C. Immunoprecipitation of HDAC3 protein by 2 ug of HDAC3 antibody 10% SDS-PAGE gel.



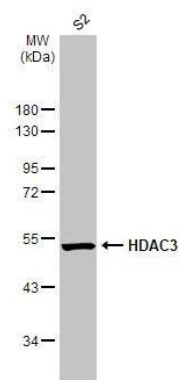
Western Blot: HDAC3 Antibody [NBP1-31196] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with HDAC3 antibody [C3], C-term. An HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



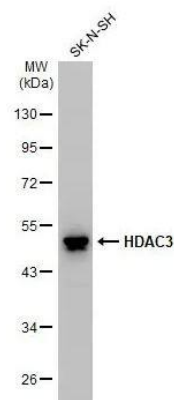
Western Blot: HDAC3 Antibody [NBP1-31196] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with HDAC3 antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



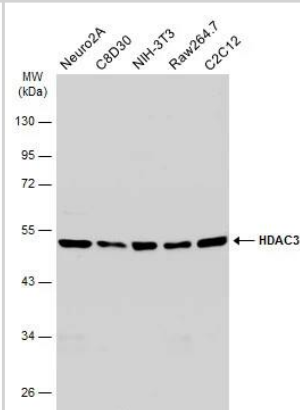
Western Blot: HDAC3 Antibody [NBP1-31196] -Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with HDAC3 antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301)) was used to detect the primary antibody.



Western Blot: HDAC3 Antibody [NBP1-31196] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with HDAC3 antibody [C3], C-term diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301)) was used to detect the primary antibody.



Western Blot: HDAC3 Antibody [NBP1-31196] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with HDAC3 antibody [C3], C-term (NBP1-31196) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



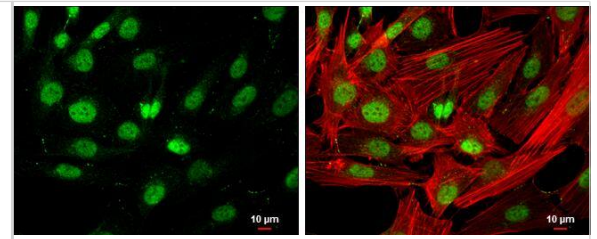
HDAC3 antibody [C3], C-term detects HDAC3 protein at nucleus by immunofluorescent analysis.

Sample: SK-N-SH cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: HDAC3 protein stained by HDAC3 antibody [C3], C-term (NBP1-31196) diluted at 1:400.

Red: Phalloidin, a cytoskeleton marker, diluted at 1:200.

Scale bar = 10  $\mu$ m.

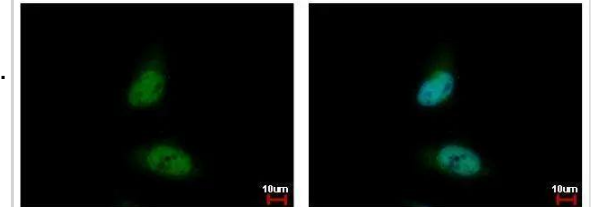


HDAC3 antibody [C3], C-term detects HDAC3 protein at nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: HDAC3 protein stained by HDAC3 antibody [C3], C-term (NBP1-31196) diluted at 1:500.

Blue: Hoechst 33342 staining.





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### **Products Related to NBP1-31196**

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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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