

# Product Datasheet

## PHF8 Antibody

### NB100-93313

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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#### Publications: 2

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**NB100-93313**

PHF8 Antibody

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	TBS and 0.1% BSA

**Product Description**

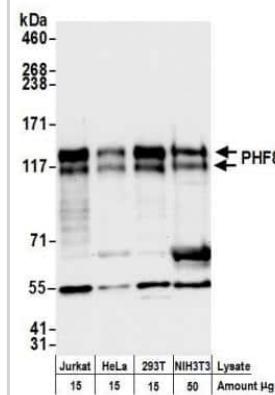
<b>Description</b>	Novus Biologicals Rabbit PHF8 Antibody (NB100-93313) is a polyclonal antibody validated for use in IHC, WB, IP and ChIP. Anti-PHF8 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	23133
<b>Gene Symbol</b>	PHF8
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	The immunogen recognized by this antibody maps to a region between residue 650 and 700 of human PHD finger protein 8 (CAI41576.1).

**Product Application Details**

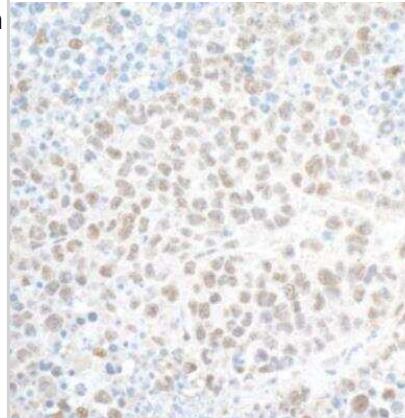
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation Sequencing
<b>Recommended Dilutions</b>	Western Blot 1:2000-1:10000, Immunohistochemistry 1:100- 1:500, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:500, Chromatin Immunoprecipitation Sequencing
<b>Application Notes</b>	ChIP-Seq 10 ug as per Ram O et al., Cell. 2011 Dec 23;147(7):1628-39. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

## Images

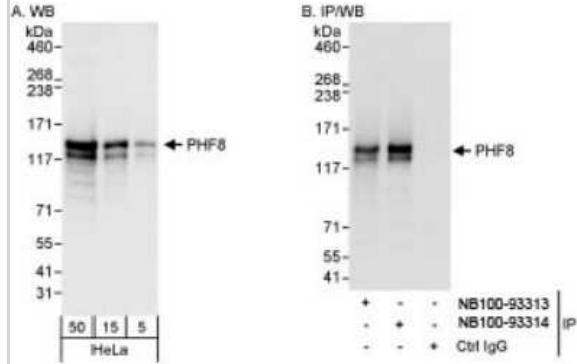
Western Blot: PHF8 Antibody [NB100-93313] - Detection of human and mouse PHF8 by western blot. Samples: Whole cell lysate (15 and 50 ug) from Jurkat, HeLa, HEK293T, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PHF8 antibody NB100-93313 used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



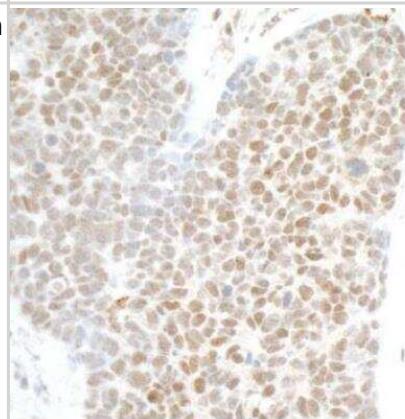
Immunohistochemistry-Paraffin: PHF8 Antibody [NB100-93313] - Section of mouse plasmacytoma. Antibody: Affinity purified rabbit anti- PHF8 used at a dilution of 1:200 (1 ug/ml). Detection: DAB



Western Blot: PHF8 Antibody [NB100-93313] - Detection of Human PHF8 on HeLa whole cell lysate using NB100-93313. PHF8 was also immunoprecipitated by rabbit anti-PHF8 antibody NB100-93314.



Immunohistochemistry-Paraffin: PHF8 Antibody [NB100-93313] - Section of human small cell lung cancer. Antibody: Affinity purified rabbit anti-PHF8 used at a dilution of 1:200 (1ug/ml). Detection: DAB



## Publications

Ma S, Zhang J, Guo Q et al. Disrupting PHF8-TOPBP1 connection elicits a breast tumor-specific vulnerability to chemotherapeutics Cancer letters 2022-01-17 [PMID: 35051531] (WB, Mouse)

Chen X, Wang S, Zhou Y et al. Phf8 histone demethylase deficiency causes cognitive impairments through the mTOR pathway Nat Commun 2018-01-09 [PMID: 29317619] (Human)



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## Products Related to NB100-93313

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-56147PEP	PHF8 Recombinant Protein Antigen

## 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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