

# Product Datasheet

## PNUTS/PPP1R10 Antibody - BSA Free NB100-604

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 2

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**NB100-604**

PNUTS/PPP1R10 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1.0 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>	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

**Product Description**

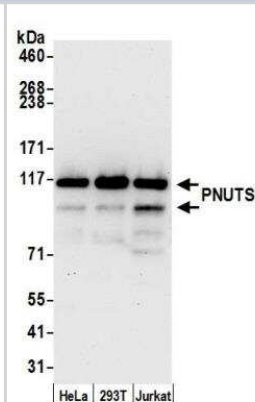
<b>Description</b>	Novus Biologicals Rabbit PNUTS/PPP1R10 Antibody - BSA Free (NB100-604) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-PNUTS/PPP1R10 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5514
<b>Gene Symbol</b>	PPP1R10
<b>Species</b>	Human
<b>Immunogen</b>	A synthetic peptide, mapping to a region region between residues 350 and 400 of human Phosphatase Nuclear Targeting Subunit (a.k.a. Protein Phosphatase 1, regulatory subunit 10) using the numbering given in TrEMBL entry Q96QC0 (GeneID 5514).

**Product Application Details**

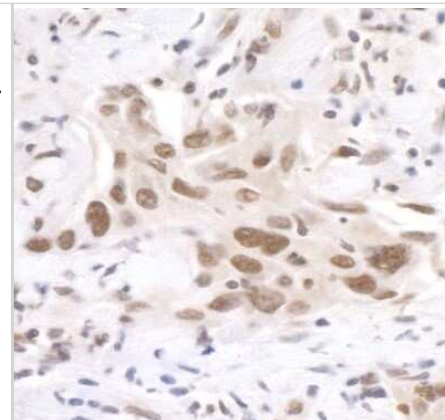
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunohistochemistry, Immunoprecipitation 1-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:500- 1:2000
<b>Application Notes</b>	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

**Images**

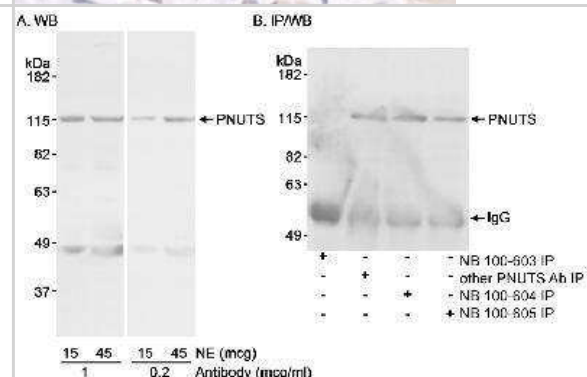
Western Blot: PNUTS/PPP1R10 Antibody [NB100-604] - Detection of human PNUTS by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PNUTS antibody NB100-604 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



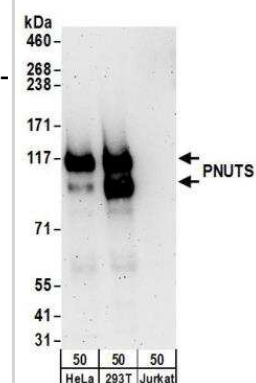
Immunohistochemistry: PNUTS/PPP1R10 Antibody [NB100-604] - Detection of human PNUTS by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-PNUTS (NB100-604). Detection: DAB



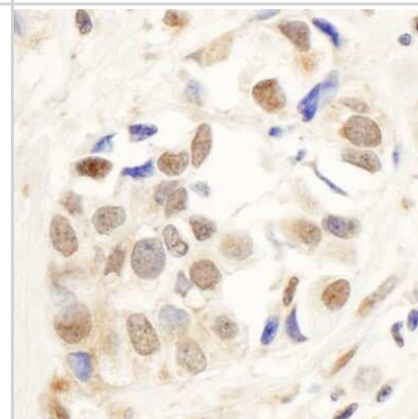
Western Blot: PNUTS/PPP1R10 Antibody [NB100-604] - Detection of Human PNUTS on HeLa whole cell lysates using NB100-604. IP of PNUTS was successfully performed with NB100-603, NB100-605, and another PNUTS polyclonal. IPed PNUTS was blotted using NB100-605.



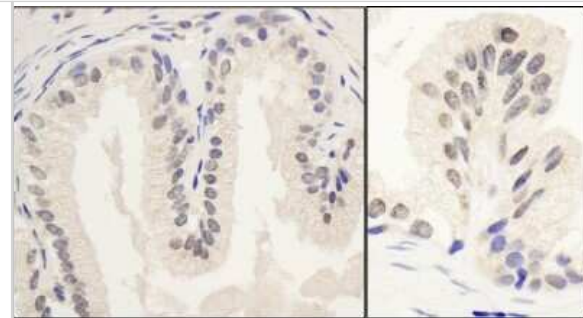
Western Blot: PNUTS/PPP1R10 Antibody [NB100-604] - Detection of Human PNUTS by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa, 293T, and Jurkat cells. Antibodies: Affinity purified rabbit anti-PNUTS antibody NB100-604 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



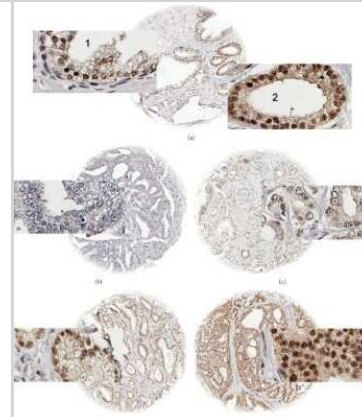
Immunohistochemistry: PNUTS/PPP1R10 Antibody [NB100-604] - Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-PNUTS used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



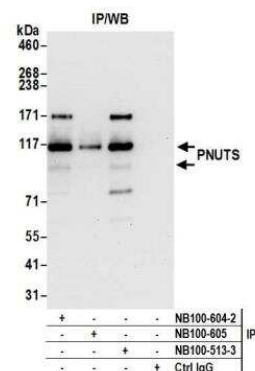
**Immunohistochemistry: PNUTS/PPP1R10 Antibody [NB100-604] -**  
**Sample:** FFPE section of human prostate carcinoma. **Antibody:** Affinity purified rabbit anti- PNUTS used at a dilution of 1:1,000 (1ug/ml).  
**Detection:** DAB



**Immunohistochemistry: PNUTS/PPP1R10 Antibody [NB100-604] -**  
**Examples of PNUTS staining:** (a) comparison of PNUTS/PPP1R10 staining in (1) normal and (2) cancerous prostate glands of the same TMA spot. Cancer spots with (b) lack of staining and (c) weak, (d) moderate, and (e) strong staining. Image collected and cropped by CiteAb from the following publication (null), licensed under a CC-BY license.



**Immunoprecipitation: PNUTS/PPP1R10 Antibody [NB100-604] -**  
**Detection of human PNUTS by western blot of immunoprecipitates.**  
**Samples:** Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells. **Antibodies:** Affinity purified rabbit anti-PNUTS antibody NB100-604 (lot NB100-604-3) used for IP at 3 ug per reaction. PNUTS was also immunoprecipitated by a previous lot of this antibody (lot NB100-604-2) and rabbit anti-PNUTS antibody NB100-605. For blotting immunoprecipitated PNUTS, NB100-604 was used at 1 ug/ml. **Detection:** Chemiluminescence with an exposure time of 10 seconds.



**Immunohistochemistry: PNUTS/PPP1R10 Antibody [NB100-604] -**  
**Examples of PNUTS staining:** (a) comparison of PNUTS staining in (1) normal & (2) cancerous prostate glands of the same TMA spot. Cancer spots with (b) lack of staining & (c) weak, (d) moderate, & (e) strong staining. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32377272>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Weiwei He, Ge Bai, Huihao Zhou, Na Wei, Nicholas M. White, Janelle Lauer et al. CMT2D neuropathy is linked to the neomorphic binding activity of glycyl-tRNA synthetase Nature 2015-10-29 [PMID: 26503042]

Marx A, Luebke A, Clauditz T et al. Upregulation of Phosphatase 1 Nuclear-Targeting Subunit (PNUTS) Is an Independent Predictor of Poor Prognosis in Prostate Cancer Disease Markers 2020-04-25 [PMID: 32377272] (IHC-P, Human)





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### **Products Related to NB100-604**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-38565PEP	PNUTS/PPP1R10 Recombinant Protein Antigen

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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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