

# Product Datasheet

## Purine Nucleoside Phosphorylase/PNP Antibody - BSA Free NBP1-82541

Unit Size: 0.1 ml

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

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### Publications: 2

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Updated 9/9/2025 v.20.1

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**NBP1-82541**

Purine Nucleoside Phosphorylase/PNP Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

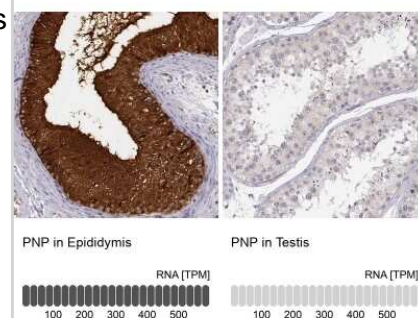
Product Description	
Description	Novus Biologicals Rabbit Purine Nucleoside Phosphorylase/PNP Antibody - BSA Free (NBP1-82541) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Purine Nucleoside Phosphorylase/PNP Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4860
Gene Symbol	PNP
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: YTYEDYKNTAEWLLSHTKHRPQVAIICGSGLGGLTDKLTQAQIFDYGEIPNFPR STVPGHAGRLVFGFLNGRACVMMQGRFHMYYEGYPLWKVTFPVRVHLLGVD TLVVTNAAGGLNPKFEVGDIMLIRDHINLPGFSGQNPLRGPNDERGAPHR

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

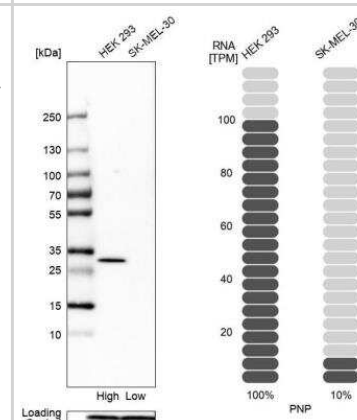


## Images

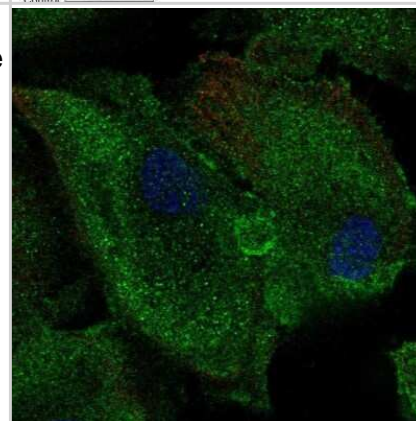
**Immunohistochemistry-Paraffin: Purine Nucleoside Phosphorylase/PNP Antibody [NBP1-82541]** - Staining in human epididymis and testis tissues using anti-PNP antibody. Corresponding PNP RNA-seq data are presented for the same tissues.



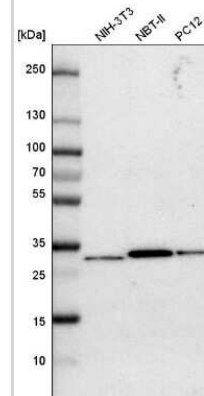
**Western Blot: Purine Nucleoside Phosphorylase/PNP Antibody [NBP1-82541]** - Analysis in human cell lines HEK293 and SK-MEL-30 using Anti-PNP antibody. Corresponding PNP RNA-seq data are presented for the same cell lines. Loading control: Anti-PFN1.



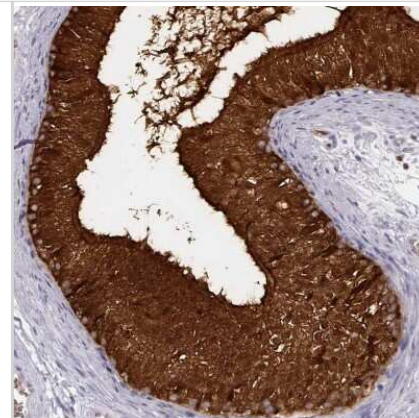
**Immunocytochemistry/Immunofluorescence: Purine Nucleoside Phosphorylase/PNP Antibody [NBP1-82541]** - Staining of human cell line RPTEC TERT1 shows localization to cytosol. Antibody staining is shown in green.



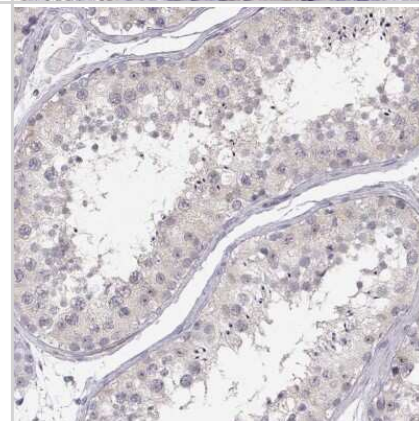
**Western Blot: Purine Nucleoside Phosphorylase/PNP Antibody [NBP1-82541]** - Western blot analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



Immunohistochemistry-Paraffin: Purine Nucleoside Phosphorylase/PNP Antibody [NBP1-82541] - Staining of human epididymis shows high expression.



Immunohistochemistry-Paraffin: Purine Nucleoside Phosphorylase/PNP Antibody [NBP1-82541] - Staining of human testis shows low expression as expected.



## Publications

Pouliquen DL, Boissard A, Henry C Et al. Lymphoid Organ Proteomes Identify Therapeutic Efficacy Biomarkers Following the Intracavitary Administration of Curcumin in a Highly Invasive Rat Model of Peritoneal Mesothelioma International journal of molecular sciences 2021-08-09 [PMID: 34445271] (IHC-P, Rat)

Kojima S, Chiyomaru T, Kawakami K et al. Tumour suppressors miR-1 and miR-133a target the oncogenic function of purine nucleoside phosphorylase (PNP) in prostate cancer. Br J Cancer 2012-01-17 [PMID: 22068816]



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### **Products Related to NBP1-82541**

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NBP1-82541PEP	Purine Nucleoside Phosphorylase/PNP Recombinant Protein Antigen
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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