

# Product Datasheet

## PCNA Antibody - BSA Free NBP1-89503

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: 1

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**NBP1-89503**

PCNA Antibody - BSA Free

Product Information	
<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>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

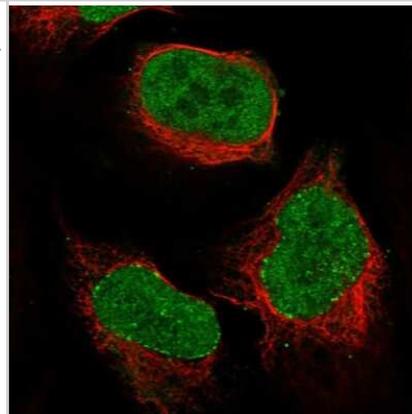
Product Description	
<b>Description</b>	Novus Biologicals Rabbit PCNA Antibody - BSA Free (NBP1-89503) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PCNA Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5111
<b>Gene Symbol</b>	PCNA
<b>Species</b>	Human, Mouse, Rat
<b>Marker</b>	Proliferation Marker
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: KCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDYEMKLMDL DVEQLGIPEQEY SCVVKMPSGEFARICRDL SHIGDAVVISCA

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

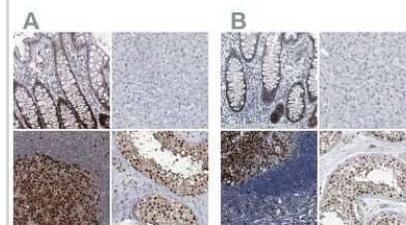


## Images

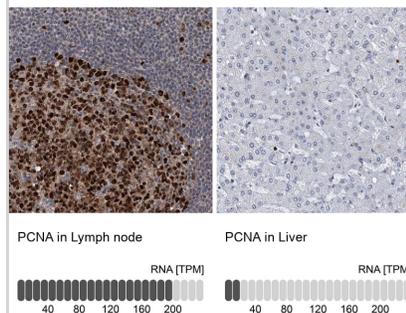
Immunocytochemistry/Immunofluorescence: PCNA Antibody [NBP1-89503] - Staining of human cell line U-2 OS shows localization to nuclear bodies. Antibody staining is shown in green.



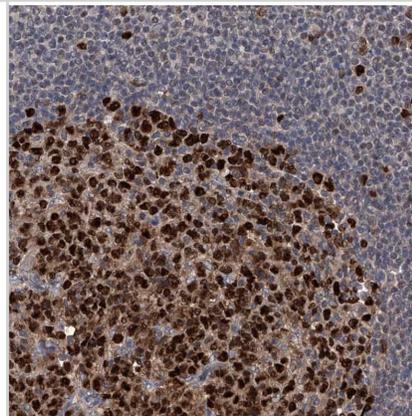
Immunohistochemistry-Paraffin: PCNA Antibody [NBP1-89503] - Staining of human colon, liver, lymph node and testis using Anti-PCNA antibody NBP1-89503 (A) shows similar protein distribution across tissues to independent antibody NBP1-89504 (B).



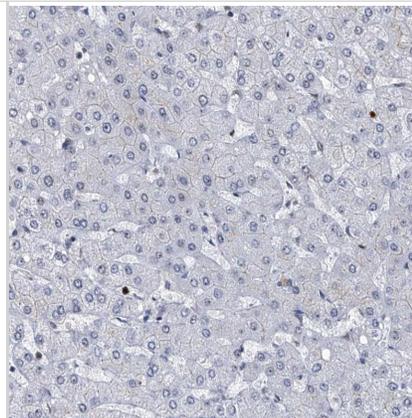
Analysis in human lymph node and liver tissues using NBP1-89503 antibody. Corresponding PCNA RNA-seq data are presented for the same tissues.



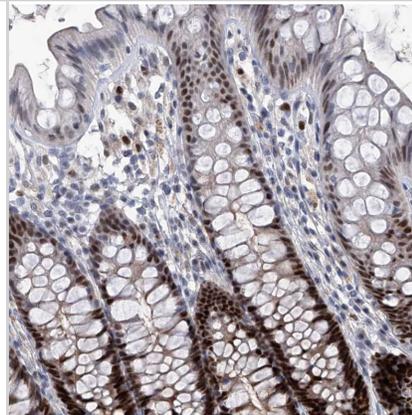
Staining of human lymph node shows strong nuclear positivity in germinal center cells.



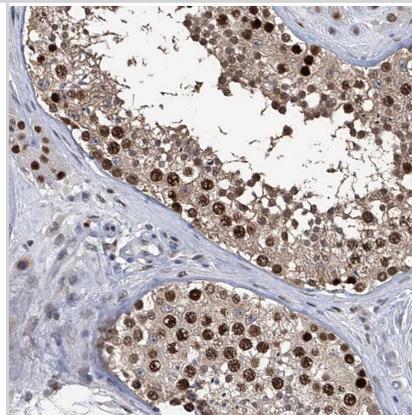
Staining of human liver shows no positivity in hepatocytes as expected.



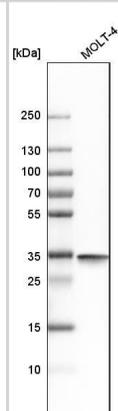
Staining of human colon shows strong nuclear positivity in glandular cells.



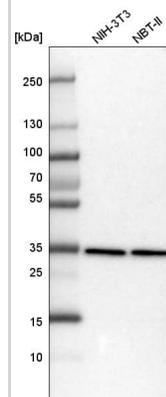
Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



Analysis in human cell line MOLT-4.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



## Publications

Costa B, Bendinelli S, Gabelloni P et al. Human Glioblastoma Multiforme: p53 Reactivation by a Novel MDM2 Inhibitor. PLoS One 2013-01-01 [PMID: 23977270]



### **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 NBP1-89503**

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NBP1-89503PEP	PCNA Recombinant Protein Antigen
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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