

# Product Datasheet

## POLR2C Antibody - BSA Free

### NBP1-80818

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 1

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Updated 12/2/2025 v.20.1

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**NBP1-80818**

POLR2C Antibody - BSA Free

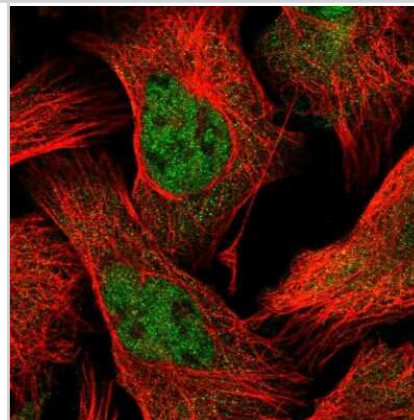
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<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 POLR2C Antibody - BSA Free (NBP1-80818) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-POLR2C Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5432
<b>Gene Symbol</b>	POLR2C
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: VEFTLDVRCNEDQTRHVTSRDLISNSPRVIPVTSRNRDNDPNDYVEQDDILIVKL RKGQELRLRAYAKKGFKEHAKWNPTAGVAFEYDPD

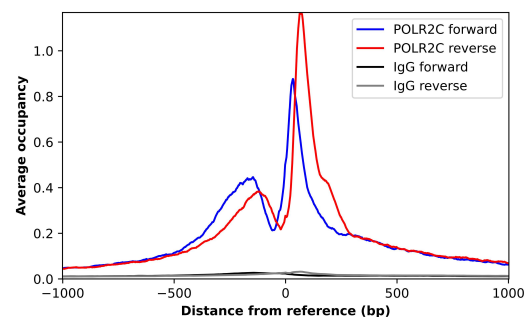
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

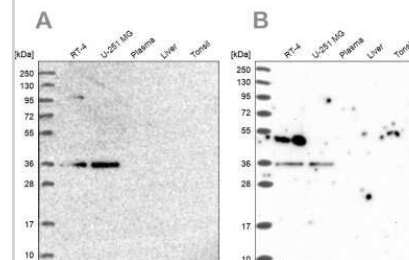
Immunocytochemistry/Immunofluorescence: POLR2C Antibody [NBP1-80818] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm & cytosol.



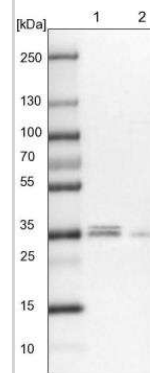
ChIP-Exo-Seq composite graph for Anti-POLR2C (NBP1-80818) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



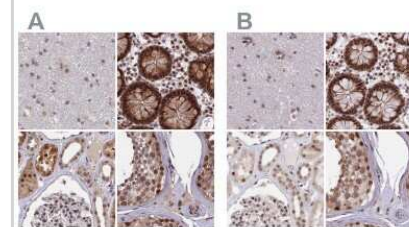
Western Blot: POLR2C Antibody [NBP1-80818] - Analysis using Anti-POLR2C antibody NBP1-80818 (A) shows similar pattern to independent antibody NBP1-80817 (B).



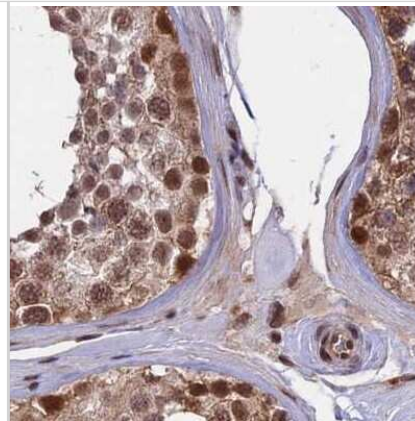
Western Blot: POLR2C Antibody [NBP1-80818] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



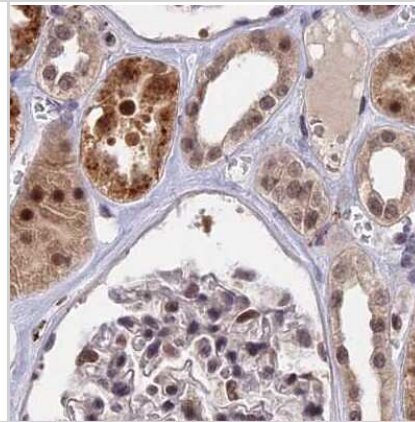
Immunohistochemistry-Paraffin: POLR2C Antibody [NBP1-80818] - Staining of human cerebral cortex, colon, kidney and testis using Anti-POLR2C antibody NBP1-80818 (A) shows similar protein distribution across tissues to independent antibody NBP1-80817 (B).



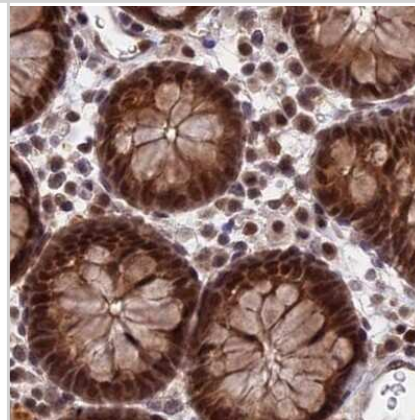
Immunohistochemistry-Paraffin: POLR2C Antibody [NBP1-80818] - Staining of human testis.



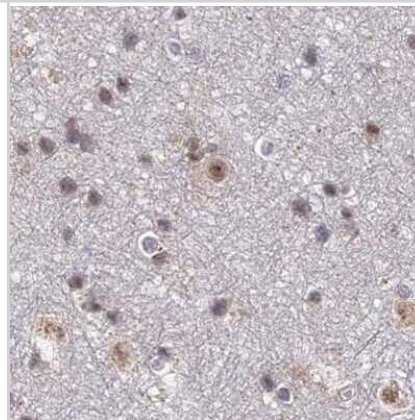
Immunohistochemistry-Paraffin: POLR2C Antibody [NBP1-80818] - Staining of human kidney.



Immunohistochemistry-Paraffin: POLR2C Antibody [NBP1-80818] - Staining of human colon.



Immunohistochemistry-Paraffin: POLR2C Antibody [NBP1-80818] - Staining of human cerebral cortex.



## Publications

E G, Sun B, Liu B et al. Enhanced BPGM/2,3-DPG pathway activity suppresses glycolysis in hypoxic astrocytes via FIH-1 and TET2 Brain research bulletin 2022-11-08 [PMID: 36334804] (WB, Human)

Details:

Dilution used in WB 1:1000



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### **Products Related to NBP1-80818**

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NBP1-80818PEP	POLR2C 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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