

# Product Datasheet

## DNA polymerase alpha Antibody - BSA Free NBP1-82449

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 9/9/2025 v.20.1

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**NBP1-82449****DNA polymerase alpha Antibody - BSA Free**

<b>Product Information</b>	
<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>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

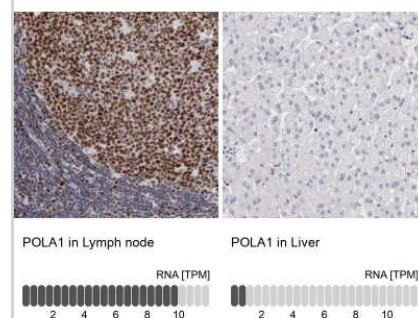
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit DNA polymerase alpha Antibody - BSA Free (NBP1-82449) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-DNA polymerase alpha Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5422
<b>Gene Symbol</b>	POLA1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Reactivity reported in scientific literature (PMID: 24201379)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: VDLEPMAAKAWDKESPAEEVKQEADSGKGTVSYLGSFLPDVSCWDIDQEGD SSFSVQEVQVDSSHLPLVKGADEEQVFHFYWLDAYEDQYNQPGVVFLFGKVW IESAETHVSCCVMVK

<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

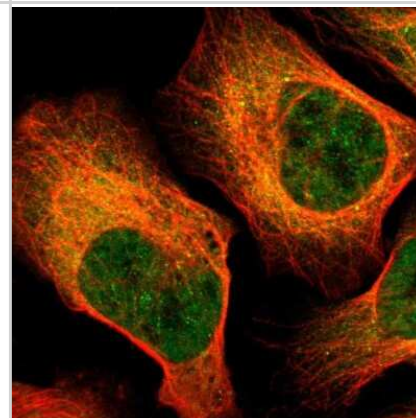


## Images

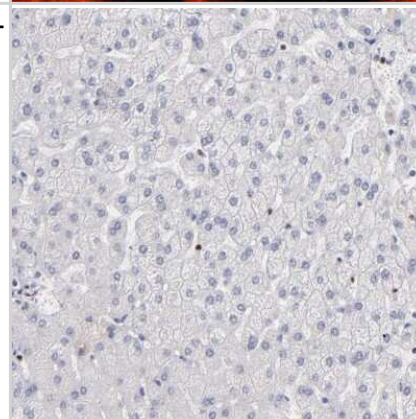
Immunohistochemistry-Paraffin: DNA polymerase alpha Antibody [NBP1-82449] - Staining in human lymph node and liver tissues using anti-POLA1 antibody. Corresponding POLA1 RNA-seq data are presented for the same tissues.



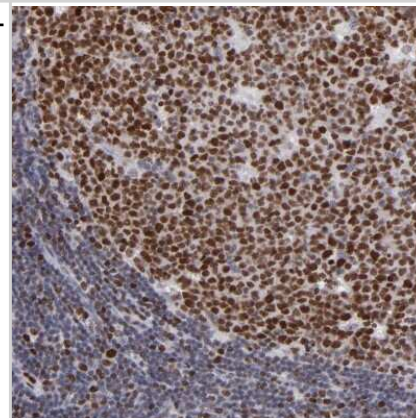
Immunocytochemistry/Immunofluorescence: DNA polymerase alpha Antibody [NBP1-82449] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm & cytosol.



Immunohistochemistry-Paraffin: DNA polymerase alpha Antibody [NBP1-82449] - Staining of human liver shows low expression as expected.



Immunohistochemistry-Paraffin: DNA polymerase alpha Antibody [NBP1-82449] - Staining of human lymph node shows high expression.



## Publications

Fujita T, Asano Y, Ohtsuka J et al. Identification of telomere-associated molecules by engineered DNA-binding molecule-mediated chromatin immunoprecipitation (enChromatin Immunoprecipitation). Sci Rep 2013-11-08 [PMID: 24201379]



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### **Products Related to NBP1-82449**

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NBP1-82449PEP	DNA polymerase alpha 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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