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.

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Updated 12/2/2025 v.20.1

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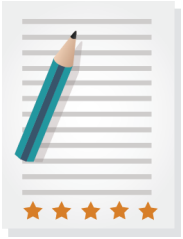


NBP1-82449

DNA polymerase alpha Antibody - BSA Free

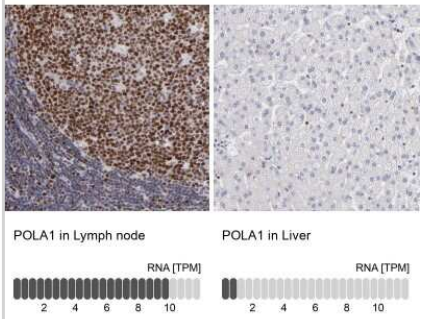
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	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.
Host	Rabbit
Gene ID	5422
Gene Symbol	POLA1
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 24201379)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VDLEPMAAKAWDKESEPAEEVKQEADSGKGTVSYLGSFLPDVSCWDIDQEGD SSFSVQEVQVDSSHLPLVKGADEEQVFHFYWLDAYEDQYNQPGVVFLFGKVW IESAETHVSCCVMVK

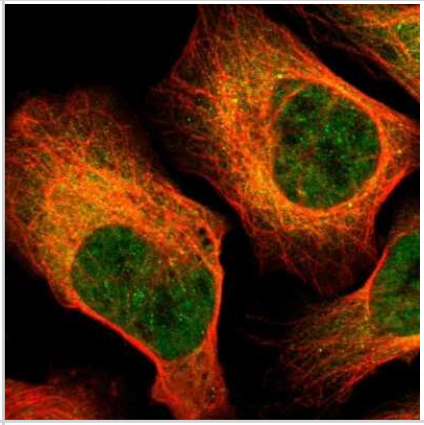
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application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

Images

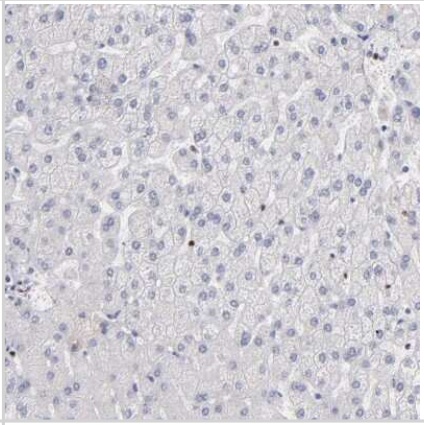
Immunohistochemistry-Paraffin: DNA polymerase alpha Antibody [NBP1-82449] - Staining in human lymph node and liver tissues using anti-POLA1 antibody. Corresponding POLA1 RNA-seq data are presented for the same tissues.



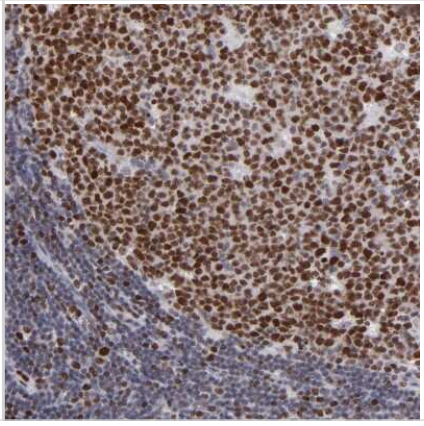
Immunocytochemistry/Immunofluorescence: DNA polymerase alpha Antibody [NBP1-82449] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm & cytosol.



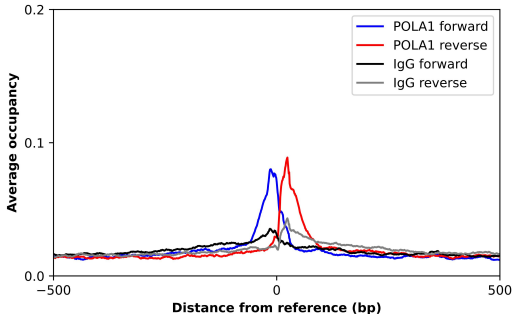
Immunohistochemistry-Paraffin: DNA polymerase alpha Antibody [NBP1-82449] - Staining of human liver shows low expression as expected.



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



ChIP-Exo-Seq composite graph for Anti-DNA polymerase alpha 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.



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

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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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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