

# Product Datasheet

## **DNA Polymerase delta, catalytic subunit Antibody - BSA Free** **NBP2-33466**

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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**NBP2-33466**

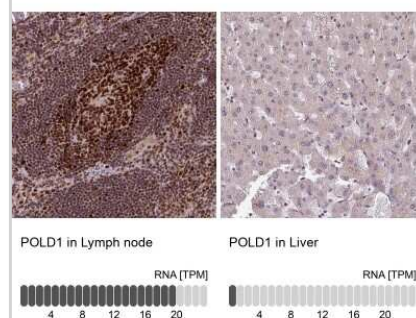
DNA Polymerase delta, catalytic subunit Antibody - BSA Free

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 DNA Polymerase delta, catalytic subunit Antibody - BSA Free (NBP2-33466) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5424
Gene Symbol	POLD1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (89%)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: YALRLKEKATQCQLEADVLSVSHPEGPWQRIAPLRVLSFDIECAGRKGIF PEPERDPVIQICSLGLRWGEPEPFLRLALTLRPCAPILGAKVQS YEKEEDLLQA WSTFIRIMDPD
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

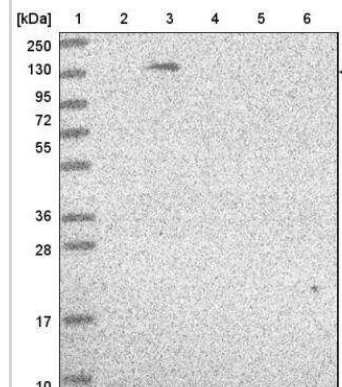


## Images

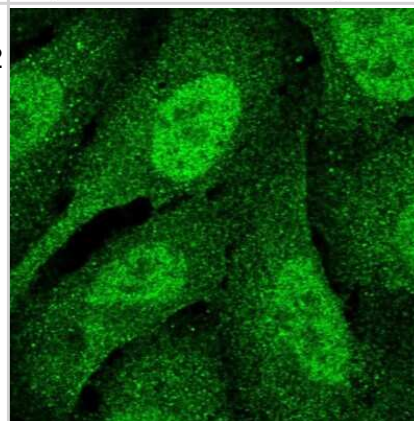
Immunohistochemistry-Paraffin: DNA Polymerase delta, catalytic subunit Antibody [NBP2-33466] - Analysis in human lymph node and liver tissues. Corresponding POLD1 RNA-seq data are presented for the same tissues.



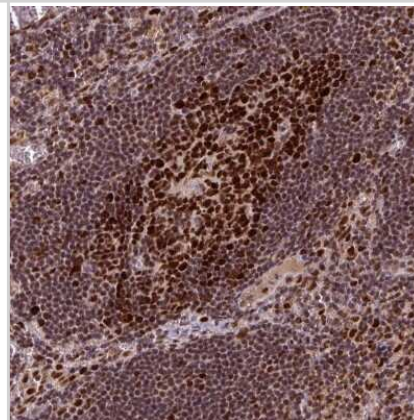
Western Blot: DNA Polymerase delta, catalytic subunit Antibody [NBP2-33466] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue. Lane 6: Human tonsil tissue



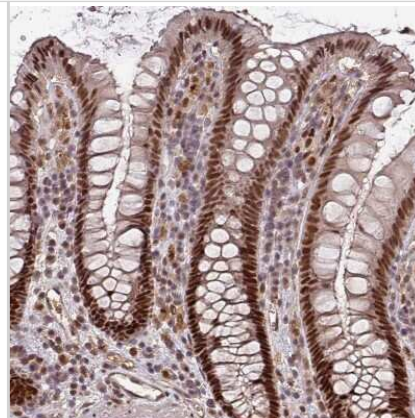
Immunocytochemistry/Immunofluorescence: DNA Polymerase delta, catalytic subunit Antibody [NBP2-33466] - Staining of human cell line U-2 OS shows localization to nucleoplasm & cytosol.



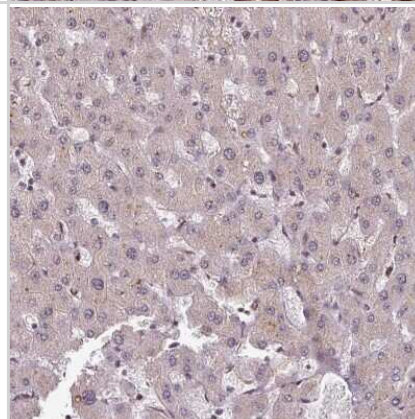
Immunohistochemistry-Paraffin: DNA Polymerase delta, catalytic subunit Antibody [NBP2-33466] - Staining of human lymph node shows strong nuclear positivity in germinal center cells.



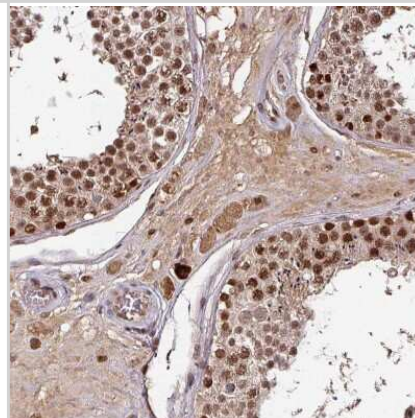
Immunohistochemistry-Paraffin: DNA Polymerase delta, catalytic subunit Antibody [NBP2-33466] - Staining of human colon shows strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: DNA Polymerase delta, catalytic subunit Antibody [NBP2-33466] - Staining of human liver shows no nuclear positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: DNA Polymerase delta, catalytic subunit Antibody [NBP2-33466] - Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.





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### **Products Related to NBP2-33466**

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NBP2-33466PEP	DNA Polymerase delta, catalytic subunit 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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