

# Product Datasheet

## DNA Polymerase delta, catalytic subunit Antibody - BSA Free NBP1-31541

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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



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### Publications: 1

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Updated 2/21/2025 v.20.1

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**NBP1-31541**

DNA Polymerase delta, catalytic subunit Antibody - BSA Free

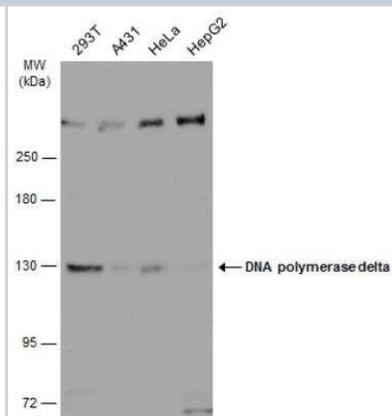
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
Target Molecular Weight	124 kDa

Product Description	
Host	Rabbit
Gene ID	5424
Gene Symbol	POLD1
Species	Human, Rat
Immunogen	Recombinant protein encompassing a sequence within the center region of human DNA Polymerase delta, catalytic subunit. The exact sequence is proprietary.

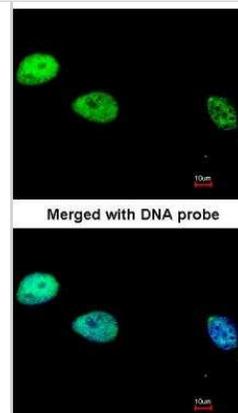
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

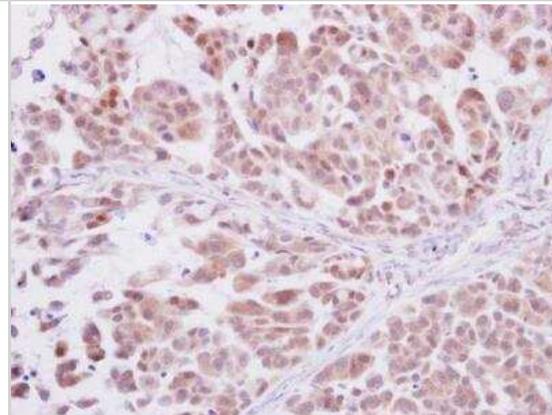
Western Blot: DNA Polymerase delta, catalytic subunit Antibody [NBP1-31541] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with DNA polymerase delta antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



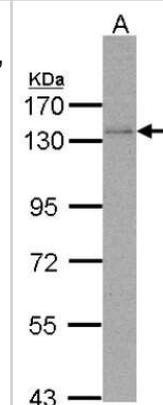
Immunocytochemistry/Immunofluorescence: DNA Polymerase delta, catalytic subunit Antibody [NBP1-31541] - Analysis of HeLa, using NBP1-31541 at 1:200 dilution.



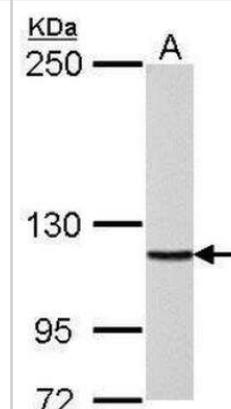
Immunohistochemistry-Paraffin: DNA Polymerase delta, catalytic subunit Antibody [NBP1-31541] - Human lung adenocarcinoma. DNA polymerase delta antibody diluted at 1:250. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: DNA Polymerase delta, catalytic subunit Antibody [NBP1-31541] - Sample (30 ug of whole cell lysate) A: Molt-4 7. 5% SDS PAGE, antibody diluted at 1:3000.



Western Blot: DNA Polymerase delta, catalytic subunit Antibody [NBP1-31541] - Rat2 whole cell lysate/extract.



## Publications

Murdocca M, Spitalieri P, De Masi C et al. Functional analysis of POLD1 p.ser605del variant: the aging phenotype of MDPL syndrome is associated with an impaired DNA repair capacity Aging 2021-02-22 [PMID: 33618333] (WB, Human)



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### **Products Related to NBP1-31541**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-33466PEP	DNA Polymerase delta, catalytic subunit Recombinant Protein Antigen

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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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