

# Product Datasheet

## DNA Polymerase epsilon p59 Antibody - BSA Free NBP1-87970

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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**NBP1-87970****DNA Polymerase epsilon p59 Antibody - BSA Free**

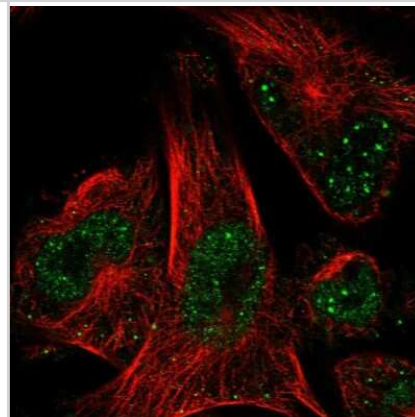
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality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

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit DNA Polymerase epsilon p59 Antibody - BSA Free (NBP1-87970) is a polyclonal antibody validated for use in ICC/IF. Anti-DNA Polymerase epsilon p59 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5427
<b>Gene Symbol</b>	POLE2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Mouse (89%).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: NAVEKQPLSSNMIERSVVEAAVQECSQSVDETIEHVFNIIIGAFDIPRFVYNSERK KFLPLLMTNHPAPNLFGTPRDKAEMFRERYTILHQRTHRHELFTPPVIGSHPDE SGSKFQLKTIETLLGSTTKIGDAIVLG

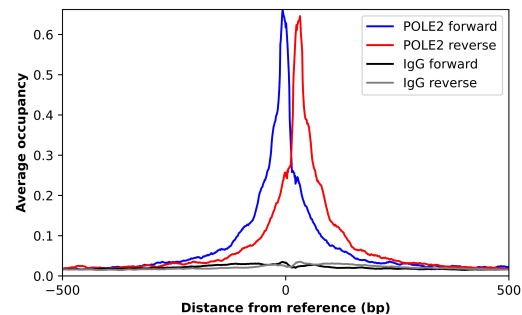
<b>Product Application Details</b>	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml
<b>Application Notes</b>	Fixation Permeabilization: Use PFA/Triton X-100.

## Images

Immunocytochemistry/Immunofluorescence: DNA Polymerase epsilon p59 Antibody [NBP1-87970] - Staining of human cell line U-251 MG shows localization to nucleoplasm, nuclear bodies & vesicles.



ChIP-Exo-Seq composite graph for Anti-DNA Polymerase epsilon p59 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

Sekimoto T, Oda T, Kurashima K et al. Both High-fidelity Replicative and Low-fidelity Y-family Polymerases are Involved in DNA Rereplication. *Mol Cell Biol.* 2014-12-08 [PMID: 25487575] (ICC/IF, Human)



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### **Products Related to NBP1-87970**

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NBP1-87970PEP	DNA Polymerase epsilon p59 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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