

# Product Datasheet

## DNA-PKcs Antibody - BSA Free NBP2-33995

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 2/23/2025 v.20.1

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**NBP2-33995**

DNA-PKcs Antibody - BSA Free

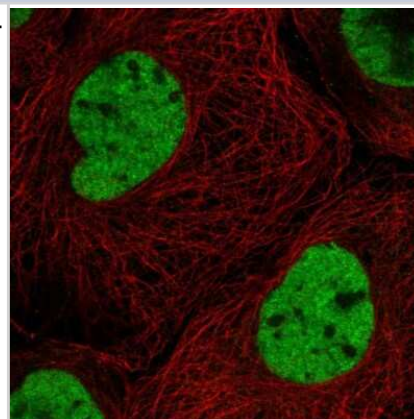
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	5591
Gene Symbol	PRKDC
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (80%)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: ETLSLMTKEISSVPCWQFISWISHMVALLDKQAVAVQHSVEEITDNYPQAIIVYP FIISSESYFKDTSTGHKNKEFVARIK

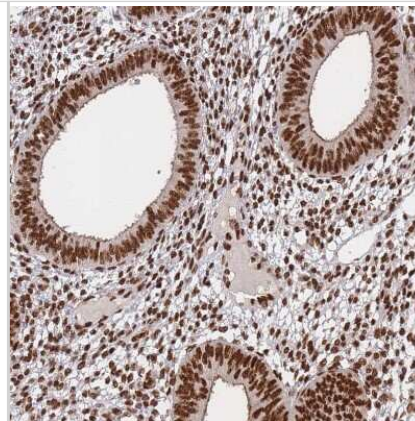
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

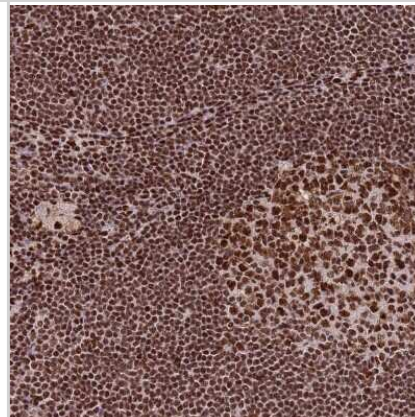
Immunocytochemistry/Immunofluorescence: DNA-PKcs Antibody [NBP2-33995] - Immunofluorescent staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green.



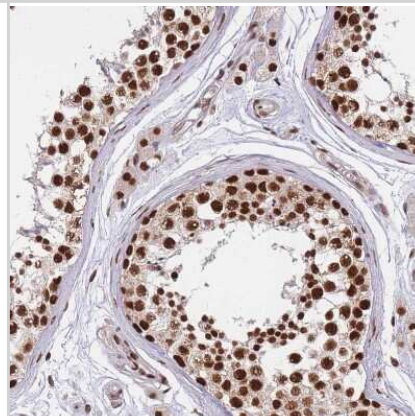
Immunohistochemistry-Paraffin: DNA-PKcs Antibody [NBP2-33995] - Staining of human endometrium shows strong nuclear positivity in glandular and stromal cells.



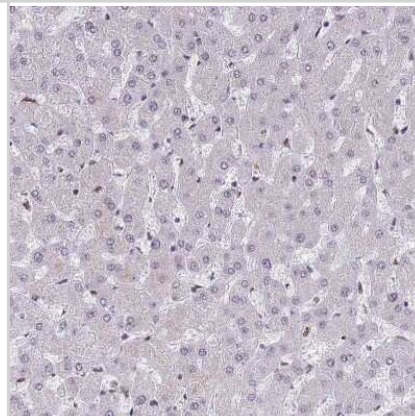
Immunohistochemistry-Paraffin: DNA-PKcs Antibody [NBP2-33995] - Staining of human lymph node shows strong nuclear positivity in lymphoid cells.



Immunohistochemistry-Paraffin: DNA-PKcs Antibody [NBP2-33995] - Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



Immunohistochemistry-Paraffin: DNA-PKcs Antibody [NBP2-33995] - Staining of human liver shows no positivity in hepatocytes as expected.



## Publications

Tirilomi A, Elakad O, Yao S et al. Expression and prognostic impact of DNA-PK in human lung cancer Medicine 2023-03-03 [PMID: 36862864] (Immunohistochemistry-Paraffin, Human)



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### **Products Related to NBP2-33995**

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NBP2-33995PEP	DNA-PKcs 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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