

# Product Datasheet

## DNA-PKcs Antibody (3H6) - BSA Free NBP2-22128

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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### Publications: 2

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**NBP2-22128**

DNA-PKcs Antibody (3H6) - BSA Free

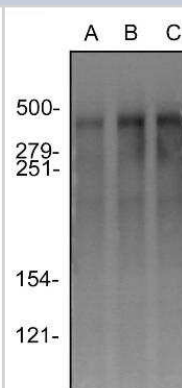
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3H6
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	460 kDa

Product Description	
Host	Mouse
Gene ID	5591
Gene Symbol	PRKDC
Species	Human
Immunogen	Purified recombinant fragment of human DNA PKcs expressed in E. coli. [Uniprot: P78527]

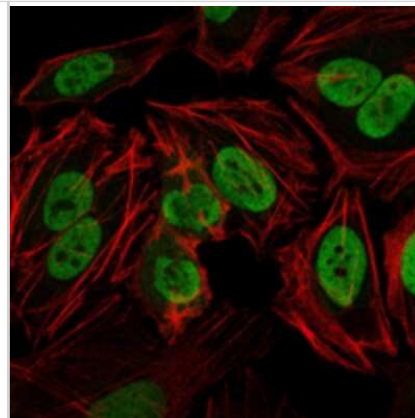
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	In Western blot, a band can be seen at 460-470 kDa representing DNA PKcs.

**Images**

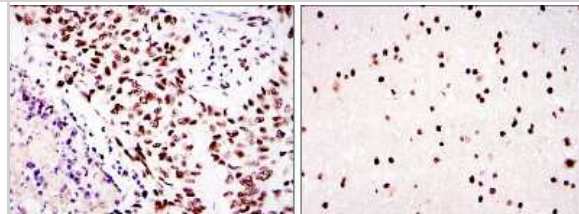
Western Blot: DNA-PKcs Antibody (3H6) [NBP2-22128] - HeLa (A), MCF7 (B) and HEK293 (C) whole cell protein was separated by SDS-PAGE on 6% gel, transferred to PVDF and probed with NBP2-22128. A single band of DNA PKcs reactivity at approximately 460 kDa was detected in all lysates.



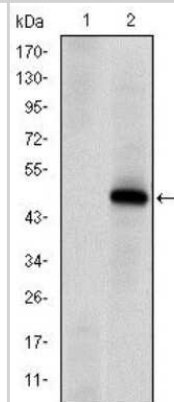
Immunocytochemistry/Immunofluorescence: DNA-PKcs Antibody (3H6) [NBP2-22128] - Analysis of HeLa cells using DNA PKcs mouse mAb (green). Actin filaments have been labeled with Alexa Fluor-555 phalloidin (red).



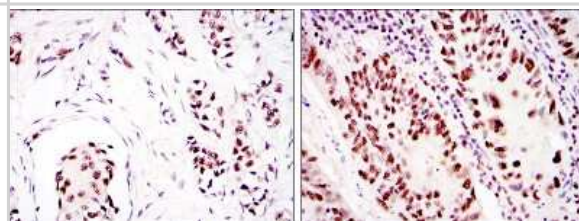
Immunohistochemistry-Paraffin: DNA-PKcs Antibody (3H6) [NBP2-22128] - Analysis of paraffin-embedded lung cancer (left) and brain tissues (right) using DNA PKcs mouse mAb with DAB staining.



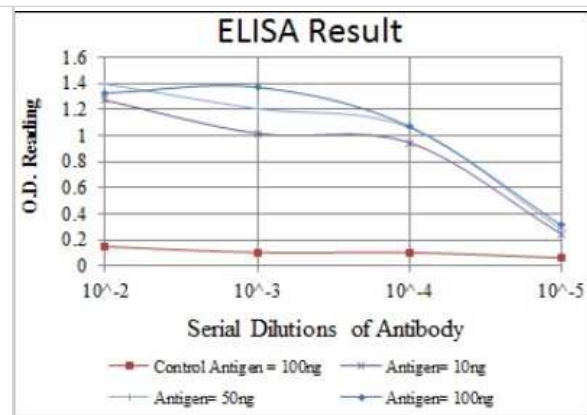
Western Blot: DNA-PKcs Antibody (3H6) [NBP2-22128] - Analysis using DNA PKcs mAb against HEK293 (1) and DNA PKcs(AA: 2638-2971)-hlgGfc transfected HEK293 (2) cell lysates.



Immunohistochemistry-Paraffin: DNA-PKcs Antibody (3H6) [NBP2-22128] - Analysis of paraffin-embedded breast cancer (left) and colon cancer (right) using DNA PKcs mouse mAb with DAB staining.



ELISA: DNA-PKcs Antibody (3H6) [NBP2-22128] - Red: Control Antigen (100ng), Purple: Antigen (10ng), Green: Antigen (50ng), Blue: Antigen (100ng).



## Publications

Ugidos N, Mena J, Baquero S et al. Interactome of the Autoimmune Risk Protein ANKRD55 Front. Immunol. 2019-09-18 [PMID: 31620119] (WB, Human)

Fantini D , Huang S, Asara JM et al. Chromatin Association of XRCC5/6 in the Absence of DNA Damage Depends upon the XPE Gene Product DDB2. Molecular Biology of The Cell. 2016-11-09 [PMID: 28035050] (WB, Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-22128**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00005591-Q01-10ug	Recombinant Human DNA-PKcs GST (N-Term) Protein

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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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