

# DNA-PKcs Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_008835.5

Catalog No. A300-518A

GeneID 5591

Lot No. A300-518A-1



**APPLICATIONS** WB, IP, IHC

**SPECIES REACTIVITY** Human

**AMOUNT** 100 µl

**CONCENTRATION** 200 µg/ml

**STORAGE/SHELF LIFE** 2 - 8° C / 1 year from date of receipt

**PHYSICAL STATE** Liquid

**BUFFER** Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide

**ISOTYPE** IgG

**ORIGIN** USA

**PRODUCTION PROCEDURES** Antibody was affinity purified using an epitope specific to DNA-PKcs immobilized on solid support.

The epitope recognized by A300-518A maps to a region between residues 2100 and 2150 of human DNA-Dependent Protein Kinase, catalytic subunit using the numbering given in entry NP\_008835.5 (GeneID 5591).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:1,000 – 1:10,000

Immunoprecipitation A300-518A is less efficient than A300-516A, A300-517A or A300-519A.

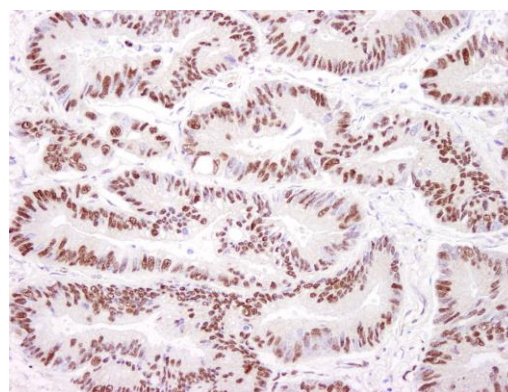
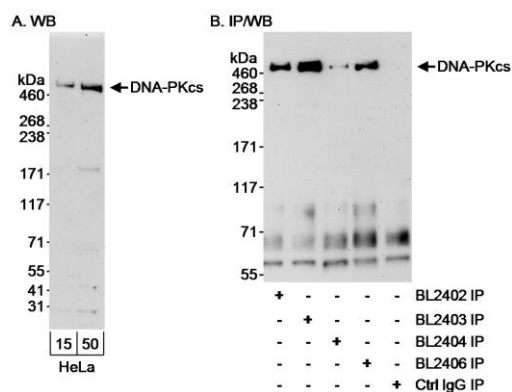
Immunohistochemistry 1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 3-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

**IHC HUMAN CONTROLS** Western blot of lysates performed using standard western blot reagents and 3-8% SDS-PAGE. Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Testicular Seminoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-518A>  
Use the link above to view SDS, a current list of citations, and other product specific information.  
IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



**Detection of human DNA-PKcs by western blot and immunoprecipitation.** *Samples:* Whole cell lysate (15 and 50 µg for WB; 1 mg for IP) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-DNA-PKcs antibody BL2404 (Cat. No. A300-518A) used at 0.1 µg/ml for WB (A and B) and at 3 µg/mg lysate for IP (B). DNA-PKcs was also immunoprecipitated using rabbit anti-DNA-PKcs antibodies BL2402 (Cat. No. A300-516A), BL2403 (Cat. No. A300-517A) and BL2406 (Cat. No. A300-519A). *Detection:* Chemiluminescence with an exposure time of 3 minutes.

**Detection of human DNA-PKcs by immunohistochemistry.** *Sample:* FFPE section of human lung carcinoma. *Antibody:* Affinity purified rabbit anti-DNA-PKcs (Cat. No. A300-518A) used at a dilution of 1:200 (1 µg/ml). *Detection:* DAB