

DNA-PKcs Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_008835.5

Catalog No. A300-519A

GeneID 5591

Lot No. A300-519A-1



APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse
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 A300-519A maps to a region between residue 4075 and the C-terminus (residue 4128) 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 2 - 5 µg/mg lysate. Ku-80 co-immunoprecipitates with DNA-PKcs when using BL2406.

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).

Western blot of lysates performed using standard western blot reagents and 3-8% SDS-PAGE.

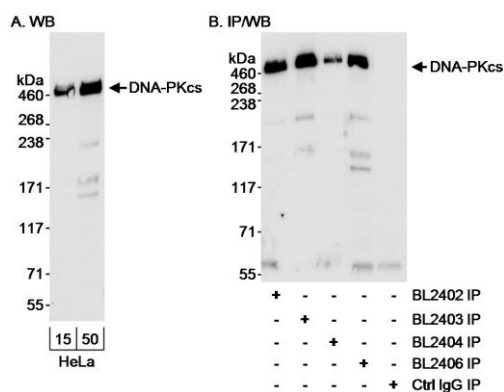
IHC HUMAN CONTROLS Breast Carcinoma, Ovarian Carcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A300-519A>

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

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 BL2406 (Cat. No. A300-519A) 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 BL2404 (Cat. No. A300-518A). *Detection:* Chemiluminescence with an exposure time of 30 seconds.