## PLK1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P53350
Catalog No. A300–251A GeneID 5347

Lot No. A300-251A-1

**APPLICATIONS** WB, IP, ICC-IF

SPECIES REACTIVITYHumanAMOUNT100 μl

CONCENTRATION 1000 μg/ml

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

PHYSICAL STATE Liquid

BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

PRODUCTION PROCEDURES

Antibodies were affinity purified using epitopes specific to PLK1 immobilized on solid support.

The epitopes recognized by A300-251A maps to a region between residues 325 and 375 of human Polo-like kinase using the numbering given in SwissProt entry P53350 (GeneID 5347).

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 - 4 µg/mg lysate

Immunofluorescence

(ICC)

1:500 – 1:2,000. Formaldehyde fixation is recommended. Permeabilization with Triton–X 100 is recommended for

formaldehyde-fixed cells.

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100–020),

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

IHC HUMAN CONTROLS HeLa Cells

ADDITIONAL INFO https://www.bethyl.com/product/A300-251A

Use the link above to view SDS, a current list of citations, and other product specific information.

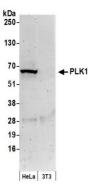
IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

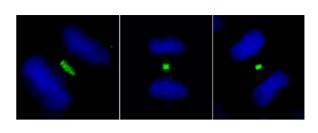
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



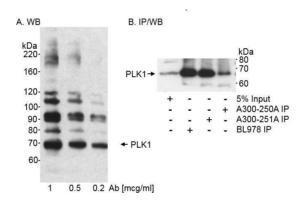
PLK1 Antibody A300-251A





Detection of human PLK1 by western blot. Samples: Whole cell lysate (50 μg) from HeLa and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PLK1 antibody A300-251A (lot A300-251A-1) used for WB at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

Detection of human PLK1 by immunocytochemistry. *Sample:* Formaldehyde-fixed asynchronous HeLa cells. *Antibody:* Affinity purified rabbit anti- PLK1 (Cat. No.A300-251A Lot1) used at a dilution of 1:1,000 (1 μg/ml). *Detection:* Green fluorescent goat anti-rabbit IgG highly cross-adsorbed Antibody FITC conjugated (Cat. No. A120-501F) used at a dilution of 1:100.



Detection of human PLK1 by western blot and immunoprecipitation. Samples: Whole cell lysate (50 μg for A; 600 μg for B) from HeLa cells. Antibodies: A. Affinity purified rabbit anti-PLK1 antibody A300-251A used at the indicated concentrations for WB. B. Affinity purified rabbit anti-PLK1 antibodies A300-250A, A300-251A, and BL978 used at 2 μg/600 μg lysate for IP. immunoprecipitatesd PLK1 was detected using BL978 at 0.5 μg/ml. Detection: Chemiluminescence with exposure times of less than 5 minutes.