

Pol kappa Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_057302.1

Catalog No. A301-977A

GeneID 51426

Lot No. A301-977A-2

APPLICATIONS WB, IP

SPECIES REACTIVITY Human

AMOUNT 100 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 Antibody was affinity purified using an epitope specific to Pol kappa immobilized on solid support.

The epitope recognized by A301-977A maps to a region between residue 825 and 870 of human DNA polymerase kappa using the numbering given in entry NP_057302.1 (GeneID 51426).

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.

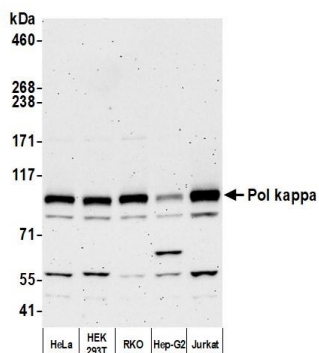
Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

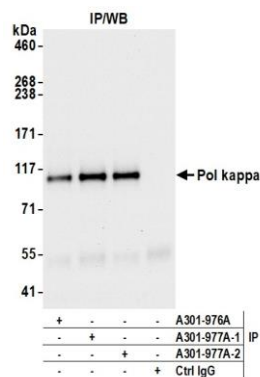
ADDITIONAL INFO <https://www.fortislife.com/p/A301-977A>

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

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: July 29, 2022



Detection of human Pol kappa by western blot. *Samples:* Whole cell lysate (10 µg) from HeLa, HEK293T, RKO, Hep-G2, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Pol kappa antibody (A301-977A lot 2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human Pol kappa by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Pol kappa antibody (A301-977A lot 2) used for IP at 6 µg per reaction. Pol kappa was also immunoprecipitated by a previous lot of this antibody (A301-977A lot 1) and a second antibody against a different epitope of Pol kappa (A301-976A). For blotting immunoprecipitated Pol kappa, A301-977A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.