

# PolH Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_006493.1

Catalog No. A301-231A

GeneID 5429

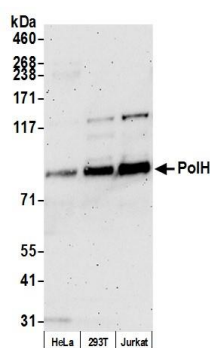
Lot No. A301-231A-3



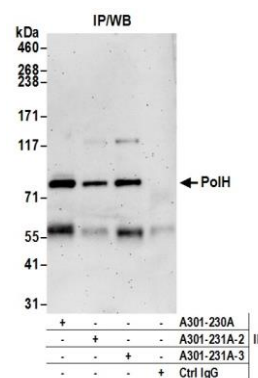
|                              |   |
|------------------------------|---|
| <b>APPLICATIONS</b>          | WB, IP  |
| <b>SPECIES REACTIVITY</b>    | Human   |
| <b>PRESUMED REACTIVITY</b>   | Based on 100% sequence identity, this antibody is predicted to react with Mouse   |
| <b>AMOUNT</b>                | 100 µl  |
| <b>CONCENTRATION</b>         | 200 µg/ml   |
| <b>STORAGE/SHELF LIFE</b>    | 2 - 8° C / 1 year from date of receipt  |
| <b>PHYSICAL STATE</b>        | Liquid  |
| <b>BUFFER</b>                | Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide   |
| <b>ISOTYPE</b>               | IgG   |
| <b>ORIGIN</b>                | USA   |
| <b>PRODUCTION PROCEDURES</b> | <p>Antibody was affinity purified using an epitope specific to PolH immobilized on solid support.</p> <p>The epitope recognized by A301-231A maps to a region between residue 690 and 713 of human polymerase (DNA directed), eta using the numbering given in entry NP_006493.1 (GeneID 5429).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p> |
| <b>APPLICATIONS</b>          | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:2,000 - 1:10,000</p> <p>Immunoprecipitation 2 - 10 µg/mg lysate</p>  |
| <b>APPLICATION NOTES</b>     | <p>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 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>   |
| <b>ADDITIONAL INFO</b>       | <p><a href="https://www.bethyl.com/product/A301-231A">https://www.bethyl.com/product/A301-231A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>   |

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 PolH by western blot.** *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified Rabbit anti-PolH antibody A301-231A (lot A301-231A-3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



**Detection of human PolH 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-PolH antibody A301-231A (lot A301-231A-3) used for IP at 6 µg per reaction. PolH was also immunoprecipitated by a previous lot of this antibody (lot A301-231A-2) and rabbit anti-PolH antibody A301-230A. For blotting immunoprecipitated PolH, A301-231A was used at 0.1 µg/ml. Chemiluminescence with an exposure time of 3 minutes.