PolE3/p17 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A301-245A

Lot No. A301-245A-1

Protein ID NP_059139.2

GeneID 54107

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine and Orangutan
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 PolE3/p17 immobilized on solid support. The epitope recognized by A301-245A maps to a region between residue 97 and 147 of human DNA polymerase epsilon subunit 3 using the numbering given in entry NP_059139.2 (GeneID 54107). 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.

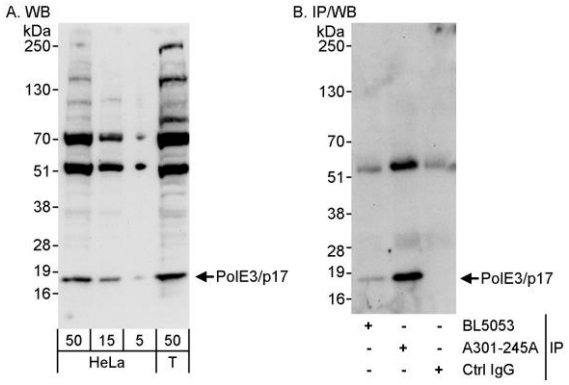
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 5 µg/mg lysate
Immunohistochemistry	1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

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 4-12% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma
IHC MOUSE CONTROLS	Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A301-245A 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

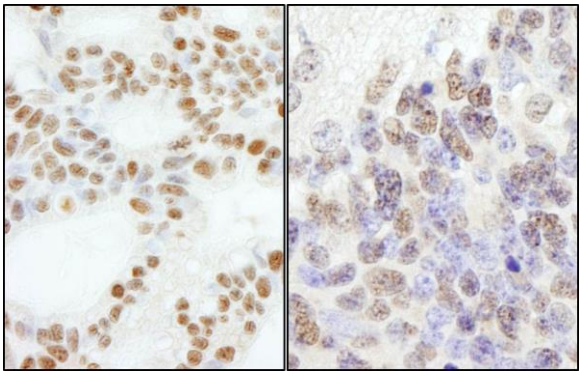
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human PolE3/p17 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-PolE3/p17 antibody A301-245A used for WB at 0.4 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. PolE3/p17 was also immunoprecipitated, albeit less efficiently, by rabbit anti-PolE3/p17 antibody BL5053, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 30 seconds (A and B).



Detection of human and mouse PolE3/p17 by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma (left) and mouse teratoma (right). *Antibody:* Affinity purified rabbit anti- PolE3/p17 (Cat. No. A301-245A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB