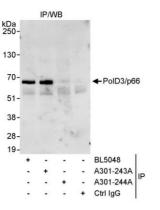
## PolD3/p66 Antibody

5	Purified 301–243A 301–243A–1	Protein ID GenelD	NP_006582.1 10714	BETHYL LABORATORIES, INC	
APPLICATIONS	IP, IHC				
SPECIES REACTIVIT					
AMOUNT	100 µl				
CONCENTRATION	1000 µg/ml				
STORAGE/SHELF L	FE 2 – 8° C / 1 ye	- 8° C / 1 year from date of receipt			
PHYSICAL STATE	Liquid				
BUFFER	Tris-citrate/pl	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide			
ISOTYPE	IgG	lgG			
<b>ORIGIN</b> USA					
PRODUCTIONAntibody waPROCEDURESsupport.		ly was affinity purified using an epitope specific to PolD3/p66 immobilized on solid 			
		The epitope recognized by A301–243A maps to a region between residue 325 and 375 of human DNA polymerase delta, subunit 3 using the numbering given in entry NP_006582.1 (GeneID 10714).			
		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	No	t recommended. Use rat	bit anti-PolD3/p66 antibody A301-244A.	
	Immunopreci	pitation 2 –	5 µg/mg lysate		
	Immunohisto	, -	500 – 1:2,000. Epitope re commended for FFPE tiss	etrieval with citrate buffer pH 6.0 is ue sections.	
APPLICATION NOT	Goat anti-Rab	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 4–20% SDS–PAGE (link to IP-western blot protocol in Additional Info section below).			
IHC HUMAN CONT	ROLS Breast Carcino	Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Small Cell Lung Cancer			
ADDITIONAL INFO	Use the link al	https://www.bethyl.com/product/A301-243A 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			

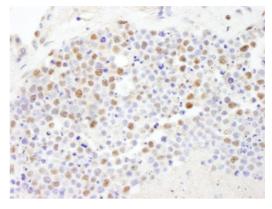
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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Detection of human PolD3/p66 by western blot of

**immunoprecipitates.** *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-PoID3/p66 antibody A301-243A used for IP at 3  $\mu$ g/mg lysate. PoID3/p66 was also immunoprecipitated by rabbit anti-PoID3/p66 antibody BL5048, which recognizes an upstream epitope. For blotting immunoprecipitated PoID3/p66, A301-244A was used at 1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



## Detection of human PolD3/p66 by

**immunohistochemistry.** *Sample:* FFPE section of human small cell lung cancer. *Antibody:* Affinity purified rabbit anti- PolD3/p66 (Cat. No. A301-243A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB