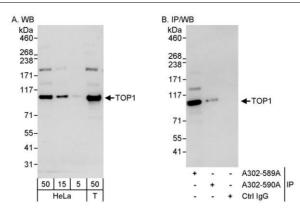
## **TOP1** Antibody

Rabbit Polyclo	nal					
Antigen Affinity Purified			Protein ID	NP_003277.1		
Catalog No.	Catalog No. A302-589A		GenelD	7150	RETUVI	
Lot No.	A302-	589A-1				
APPLICATIONS		WB, IP				
SPECIES REACTIVITY		Human				
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Rat				
AMOUNT		100 μΙ				
CONCENTRATION		200 μg/ml				
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt				
PHYSICAL STATE		Liquid				
BUFFER		Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide				
ISOTYPE		IgG				
ORIGIN		USA				
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific to TOP1 immobilized on solid support.				
		The epitope recognized by A302–589A maps to a region between residue 100 and 150 of human DNA topoisomerase I using the numbering given in entry NP_003277.1 (GeneID 7150).				
		Antibody conce equals 1.0 mg c		letermined by extinction c	pefficient: absorbance at 280 nm of 1.4	
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		
		Immunoprecipi	tation 2 -	5 µg/mg lysate		
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 4–8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).				
		Western blot of	lysates perfor	med using standard weste	rn blot reagents and 4-8% SDS-PAGE.	
ADDITIONAL INFO		https://www.bethyl.com/product/A302–589A				
				S, a current list of citation s://www.bethyl.com/cont	s, and other product specific information. ent/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 TOP1 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-TOP1 antibody A302-589A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 3 µg/mg lysate. TOP1 was less efficiently immunoprecipitated by rabbit anti-TOP1 antibody A302-590A, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 10 seconds (A and B).

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