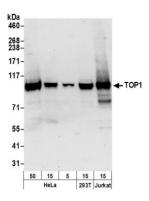
## TOP1 Antibody

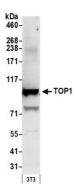
Rabbit Polyclonal Antigen Affinity Purified		ed	Protein ID	NP_003277.1		
Catalog No.	y No. A302–590A		GenelD	7150		DETUVI
Lot No. A302-590A-3						<b>DEIT</b>
APPLICATIONS		WB, IP				
SPECIES REACTIVITY		Human, Mouse				
AMOUNT		100 µl				
CONCENTRATION		1000 μg/ml				
STORAGE/SHELF LIFE		2 – 8° C / 1 year from date of receipt				
PHYSICAL STATE		Liquid				
BUFFER		Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide				
ISOTYPE		lgG				
ORIGIN		USA				
PROCEDURES The epito DNA topo Antibody		Antibody was affinity purified using an epitope specific to TOP1 immobilized on solid support.				
		The epitope recognized by A302-590A maps to a region between residue 715 and 765 of human DNA topoisomerase I using the numbering given in entry NP_003277.1 (GeneID 7150).				
		Antibody concer equals 1.0 mg o	concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 .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		
		Immunoprecipit	ation 2 –	10 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 l	lysates perfor	med using standard west	tern blot reagents	and 4-8% SDS-PAGE.
ADDITIONAL IN	IFO	https://www.bethyl.com/product/A302–590A				
				S, a current list of citatio		
		IP-western blot	protocol: http	os://www.bethyl.com/con	tent/protocol_IP_W	/B

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

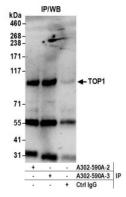
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**Detection of human TOP1 by western blot.** *Samples:* Whole cell lysate (50, 15, 5 µg) from HeLa and (50 µg) from HEK293T and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-TOP1 antibody A302-590A (lot A302-590A-3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of mouse TOP1 by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-TOP1 antibody A302-590A (lot A302-590A-3) used for WB at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



## Detection of human TOP1 by western blot of

**immunoprecipitates.** Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-TOP1 antibody A302-590A (lot A302-590A-3) used for IP at 6  $\mu$ g per reaction. TOP1 was also immunoprecipitated by a previous lot of this antibody (lot A302-590A-2). For blotting immunoprecipitated TOP1, A302-590A was used at 1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

Bethyl Laboratories, Inc. • 25043 West FM 1097 • Montgomery, TX 77356 • 800.338.9579 • 936.597.6111 • 866.597.6105 (FAX) • www.bethyl.com • technical@bethyl.com

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