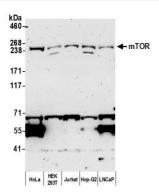
mTOR Antibody

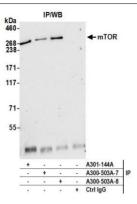
Rabbit Polyclonal					Contraction of the
Antigen Affinity Purified		ed	Protein ID	NP_004949.1	
Catalog No.	A300-503A		GenelD	2475	
Lot No.	A300-	503A-8			LABORATORIES, IN C
APPLICATIONS		WB, IP, ICC			
SPECIES REACTIVITY		Human			
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse and Rat			
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 mTOR immobilized on solid support.			
		The epitope recognized by A300-503A maps to a region between residue 200 and 250 of human Mammalian Target of Rapamycin using the numbering given in entry NP_004949.1 (GeneID 2475).			
		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	2,000 - 1:10,000	
		Immunoprecipi	tation 2 -	10 µg/mg lysate	
		Immunocytoche	emistry 1:1	00	
ADDITIONAL INFO		https://www.bethyl.com/product/A300-503A 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. Brian McWilliams, PhD Date: January 27, 2021

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Detection of human mTOR by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, Hep-G2, and LNCaP cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-mTOR antibody A300-503A lot 8 used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human mTOR 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-mTOR antibody (A300-503A lot 8) used for IP at 6 µg per reaction. mTOR was also immunoprecipitated by a previous lot of this antibody (A300-503A lot 7) and rabbit anti-mTOR antibody (A301-144A). For blotting immunoprecipitated mTOR, A300-503A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.