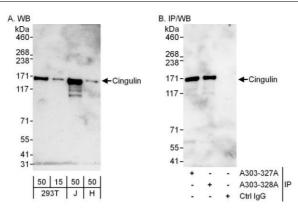
Cingulin Antibody						
Rabbit Polyclonal Antigen Affinity Purified Catalog No. A303-328A Lot No. A303-328A-1		Protein ID GeneID	NP_065821.1 57530		BETHYL LABORATORIES, INC	
APPLICATIONS		WB, IP				
SPECIES REACTIVITY		Human				
AMOUNT		100 μΙ				
CONCENTRATION		1000 μg/ml				
STORAGE/SHELF LIFE		2 - 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 Cingulin immobilized on solid support.				
FROCEDURES		The epitope recognized by A303-328A maps to a region between residue 350 and 400 of human Cingulin using the numbering given in entry NP_065821.1 (GeneID 57530).				
		Antibody 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		
		Immunoprecip	itation 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 lysates performed using standard western blot reagen				stern blot reagents a	and 4-8% SDS-PAGE.	
ADDITIONAL IN	IFO	https://www.bethyl.com/product/A303-328A				
		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 Cingulin by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HEK293T (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), Jurkat (J; 50 µg) and HeLa (H; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-Cingulin antibody A303-328A used for WB at 0.1 µg/ml (A) and 1 µg/ml (B) and used for IP at 6 µg/mg lysate. Cingulin was also immunoprecipitated by rabbit anti-Cingulin antibody A303-327A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).