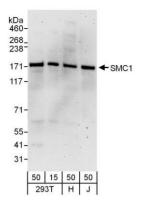
SMC1 Antibody

Goat Polyclonal Antigen Affinity Purified			Protein ID	NP_006297.2		
Catalog No. Lot No.	A303- A303-	834A 834A-1	GenelD	8243		BETHYL ABORATORIES, INC
APPLICATIONS		WB, IP, IHC				
SPECIES REACTIVITY		Human, Mouse				
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Rat and Bovine				
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 SMC1 immobilized on solid support.				
		The epitope recognized by A303–834A maps to a region between residue 1183 and 1233 of human Structural Maintenance of Chromosomes 1 using the numbering given in entry NP_006297.2 (GeneID 8243).				
		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		
		Immunoprecipit	ation 2 –	10 µg/mg lysate		
		Immunohistoche		00 – 1:2,000. Epitope retri ommended for FFPE tissue		ffer pH 6.0 is
APPLICATION NOTES		Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.				
IHC HUMAN CONTROLS Br		Breast Carcinoma, Cervical Carcinoma, Linitis Plastica Stomach Cancer, Ovarian Carcinoma				
IHC MOUSE CONTROLS		Renal Cell Carcinoma, Teratoma				
ADDITIONAL INFO		https://www.bethyl.com/product/A303-834A Use the link above to view SDS, a current list of citations, and other product specific information.				

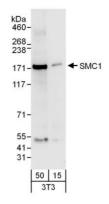
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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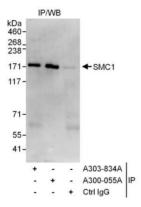
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Detection of human SMC1 by western blot. *Samples:* Whole cell lysate from HEK293T (15 and 50 μ g), HeLa (H; 50 μ g), and Jurkat (J; 50 μ g) cells. *Antibodies:* Affinity purified goat anti-SMC1 antibody A303-834A (lot A303-834A-1) used for WB at 0.1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of mouse SMC1 by western blot. Samples: Whole cell lysate (15 and 50 μ g) from NIH 3T3 cells. Antibodies: Affinity purified goat anti-SMC1 antibody A303-834A (lot A303-834A-1) used for WB at 0.4 μ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

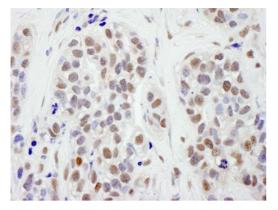


Detection of human SMC1 by western blot of

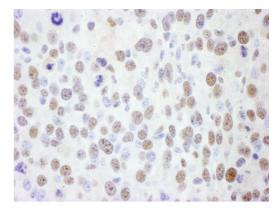
immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified goat anti-SMC1 antibody A303-834A (lot A303-834A-1) used for IP at 6 µg/mg lysate. SMC1 was also immunoprecipitated by rabbit anti-SMC1 antibody A300-055A. For blotting immunoprecipitated SMC1, A303-834A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



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Detection of human SMC1 by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified goat anti- SMC1 (Cat. No. A303-834A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB



Detection of mouse SMC1 by immunohistochemistry. *Sample:* FFPE section of mouse renal cell carcinoma. *Antibody:* Affinity purified goat anti- SMC1 (Cat. No. A303-834A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB