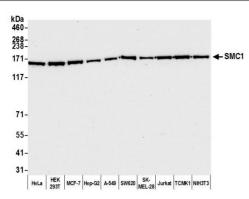
SMC1 Recombinant Monoclonal Antibody [BL-205-2G8]

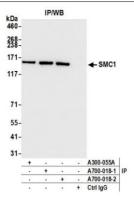
Rabbit Recom	binant M					
Purified Catalog No. A700–018			ein ID	NP_006297.2		
Catalog No. Lot No.	A700-0 A700-0	RETHY				
APPLICATIONS		WB, IP, IHC, ICC, IHC–IF, F				
SPECIES REACTIVITY		Human, Mouse				
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Rat and Bovine				
AMOUNT		100 µl (10 blots)				
CONCENTRATION		50 μg/ml				
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt				
PHYSICAL STATE		Liquid				
BUFFER		Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide				
ISOTYPE		lgG				
CLONE #		BL-205-2G8				
ORIGIN		USA				
PRODUCTION PROCEDURES		Recombinant antibody was purified from cell culture supernatant.				
		Immunogen was a synthetic peptide representing a region between residue 1200 and the C- terminus (residue 1233) of human structural maintenance of chromosomes 1 according to the numbering given in entry NP_006297.2 (GeneID 8243).				
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	1:1	000		
		Immunoprecipitation	20	µl/mg lysate		
		Immunohistochemist		00 – 1:500. Epitope retrieval w commended for FFPE tissue sect	retrieval with citrate buffer pH 6.0 is tissue sections.	
		Immunocytochemistr		00 – 1:500. Epitope retrieval w commended for FFPE cell section	e retrieval with citrate buffer pH6.0 is E cell sections.	
		Immunofluorescence (IHC)		00 – 1:500. Epitope retrieval w commended for FFPE tissue sect	pe retrieval with citrate buffer pH 6.0 is PE tissue sections.	
		Flow Cytometry		xed in 4% formaldehyde and pe r 1 x 10^6 cells.	rmeabilized with 90% methanol. 1 μ l	
IHC HUMAN CONTROLS		Breast Carcinoma, Colon Carcinoma, Skin Carcinoma, A-549 Cells, HCT 116 Cells, HeLa Cells, Jurkat Cells, MOLT-4 Cells				
ADDITIONAL INFO		https://www.bethyl.com/product/A700-018				
		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 OfficerDate: August 17, 2020

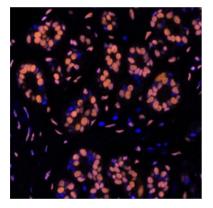
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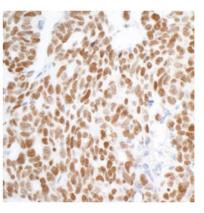
Detection of human and mouse SMC1 by western blot. Samples: Whole cell lysate (50 µg) from HeLa, HEK293T, MCF-7, Hep-G2, A-549, SW620, SK-MEL-28, Jurkat, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-SMC1 recombinant monoclonal antibody [BL-205-2G8] (A700-018 lot 2) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 10 seconds.



Detection of human SMC1 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: Rabbit anti-SMC1 recombinant monoclonal antibody [BL-205-2G8] (A700-018 lot 2) used for IP at 20 µl/mg lysate. SMC1 was also immunoprecipitated by a previous lot of this antibody (lot A700-018-1) and rabbit anti-SMC1 antibody A300-055A. For blotting immunoprecipitated SMC1, A700-018 was used at 1:1000. Chemiluminescence with an exposure time of 3 seconds.



Detection of human SMC1 in FFPE breast carcinoma by immunohistochemistry–IF. Antibody: Rabbit anti–SMC1 recombinant monoclonal antibody [BL–205–2G8] (A700–018 Lot 1). Secondary: HRP-conjugated goat anti– rabbit IgG (A120–501P). Substrate: Opal[™]. Counterstain: DAPI.

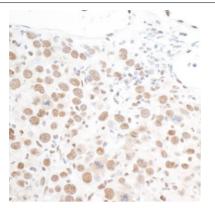


Detection of human SMC1 in FFPE ovarian carcinoma by IHC. *Antibody:* Rabbit anti-SMC1 recombinant monoclonal antibody [BL-205-2G8] (A700-018 lot 2). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-101P). *Substrate:* DAB.

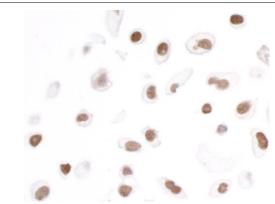
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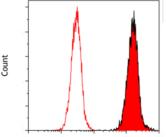
A700-018



Detection of mouse SMC1 in FFPE renal cell carcinoma by IHC. *Antibody:* Rabbit anti-SMC1 recombinant monoclonal antibody [BL-205-2G8] (A700-018 lot 2). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Substrate:* DAB.



Detection of human SMC1 in FFPE NCI-H226 cells by ICC. *Antibody:* Rabbit anti-SMC1 recombinant monoclonal antibody [BL-205-2G8] (A700-018 lot 2). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Substrate:* DAB.



SMC1 (shaded) and isotype control

Detection of human SMC1 (shaded) in MOLT4 cells by flow cytometry. *Antibody:* Rabbit anti-SMC1 recombinant monoclonal [BL-205-2G8] (A700-018 lot 1) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-201D5).

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