

# SMC2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_006435.1

Catalog No. A300-058A-M GeneID 10592

Lot No. A300-058A-M-3



<b>APPLICATIONS</b>	WB, IP, ICC
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	100 µl (10 blots)
<b>CONCENTRATION</b>	100 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to SMC2 immobilized on solid support.

The epitope recognized by A300-058A-M maps to a region between residue 1150 and the C-terminus (residue 1197) of human Structural Maintenance of Chromosomes 2 using the numbering given in entry NP\_006435.1 (GeneID 10592).

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 1:1000

Immunoprecipitation The antibody contained within A300-058A-M has been qualified for use in immunoprecipitation; however, we recommend using the alternative formulation of this antibody found as product A300-058A.

Immunocytochemistry 1:20 - 1:40

**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).

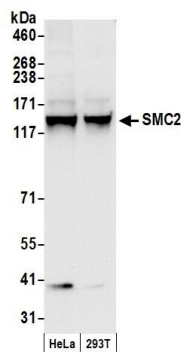
Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-058A-M>

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](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



**Detection of human SMC2 by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-SMC2 antibody A300-058A-M (lot A300-058A-M-3) used for WB at 1:1000. *Detection:* Chemiluminescence with an exposure time of 3 seconds.