

# SMC2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_006435.1

Catalog No. A300-056A-T

GeneID 10592

Lot No. A300-056A-T-1

**APPLICATIONS** WB

**SPECIES REACTIVITY** Human

**AMOUNT** 10 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 SMC2 immobilized on solid support.

The epitope recognized by A300-056A-T maps to a region between residues 50 and 100 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.

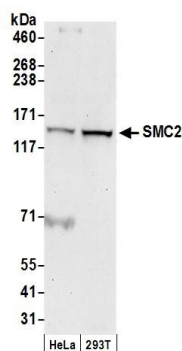
**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:5,000 – 1:20,000

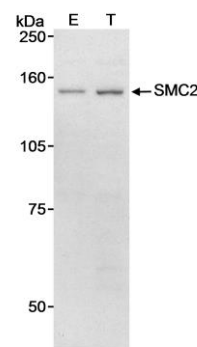
**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-056A-T>

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.  
Michael Spencer, PhD Date: June 6, 2022



**Detection of human SMC2 by western blot. *Samples:*** Whole cell lysate (50  $\mu$ g) from HeLa and HEK293T cells prepared using NETN lysis buffer. ***Antibodies:*** Affinity purified rabbit anti-SMC2 antibody A300-056A (lot A300-056A-1) used for WB at 0.05  $\mu$ g/ml. ***Detection:*** Chemiluminescence with an exposure time of 30 seconds.



**Detection of human SMC2 by western blot. *Samples:*** Whole cell lysate (90  $\mu$ g) from mock transfected (E) or SMC2 transfected (T) HEK293T cells. ***Antibody:*** Affinity purified rabbit anti-SMC2 A300-056A used at 0.1  $\mu$ g/ml. ***Detection:*** Chemiluminescence with a 10 minute exposure.