

SMC4 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_005487.2

Catalog No. A300-063A-T

GeneID 10051

Lot No. A300-063A-T-2

| | |
|------------------------------|--|
| APPLICATIONS | WB, ICC-IF |
| SPECIES REACTIVITY | Human |
| PRESUMED REACTIVITY | Based on 100% sequence identity, this antibody is predicted to react with Mouse |
| 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 SMC4 immobilized on solid support. |

The epitope recognized by A300-063A-T maps to a region between residues 600 and 650 of human Structural Maintenance of Chromosomes 4 using the numbering given in entry NP_005487.2 (GeneID 10051).

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 1:1,000 – 1:10,000

Immunofluorescence 1:500 – 1:2,000
(ICC)

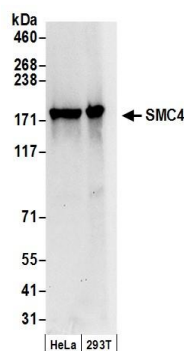
ADDITIONAL INFO <https://www.bethyl.com/product/A300-063A-T>

Use the link above to view SDS, a current list of citations, and other product specific information.

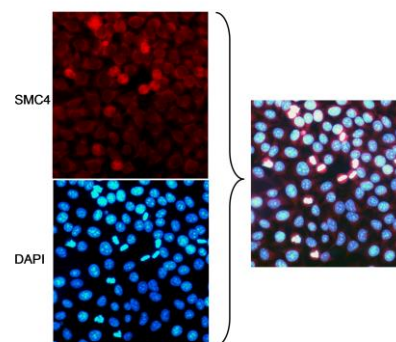
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

Date: June 6, 2022



Detection of human SMC4 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-SMC4 antibody A300-063A (lot A300-063A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Localization of SMC4 to Mitotic Chromosomes by immunocytochemistry. *Samples:* HeLa cells grown on coverslips, fixed with methanol/acetone and blocked with 3% BSA in PBS. *Antibody:* Affinity purified rabbit anti-SMC4 antibody A300-063A used at 5 µg/ml. *Detection:* Rhodamine labeled anti-rabbit secondary antibody. Cells were counterstained with DAPI.