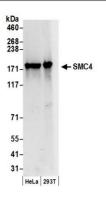
SMC4 Antibody

| | | | LABORATORIES, INC. I LILE SOLENCES |
|---|---|--------------|--|
| Rabbit Polyclonal | | | |
| Antigen Affinity Purified | | Protein ID | NP_005487.2 |
| Catalog No. A300-0 | 063A-T | GenelD | 10051 |
| Lot No. A300-0 | 063A-T-2 | | |
| APPLICATIONS | WB, ICC-IF | | |
| SPECIES REACTIVITY | Human | | |
| PRESUMED REACTIVITY Based on 100% | | equence ider | ntity, 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 w nm of 1.4 equals 1.0 mg of IgG. | | | n was determined by extinction coefficient: absorbance at 280 gG. |
| 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 |
| | Immunofluoresc (ICC) | tence 1:50 | 00 - 1:2,000 |
| 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

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SMC4

Detection of human SMC4 by western blot. *Samples:* Whole cell lysate (50 μ g) 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 μ g/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.