SMC5 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID Q8IY18
Catalog No. A300–236A GeneID 23137

Lot No. A300-236A-3

APPLICATIONS WB, IP

SPECIES REACTIVITY Human, Mouse

AMOUNT 100 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 SMC5 immobilized on solid support.

The epitope recognized by A300-236A maps to a region between residues 1050 and the C-terminus (residue 1101) of human Structural Maintenance of Chromosomes 5 using the

numbering given in TrEMBL entry Q8IY18 (GeneID 23137).

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 1:2,000 - 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

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/A300-236A

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

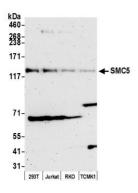
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

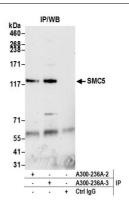
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



SMC5 Antibody A300-236A





Detection of human and mouse SMC5 by western blot. Samples: Whole cell lysate (50 μg) from HEK293T, Jurkat, RKO, and TCMK-1 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SMC5 antibody A300-236A (lot A300-236A-3) used for WB at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

Detection of human SMC5 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SMC5 antibody A300-236A (lot A300-236A-3) used for IP at 6 μg per reaction. SMC5 was also immunoprecipitated by a previous lot of this antibody (lot A300-236A-2). For blotting immunoprecipitated SMC5, A300-236A was used at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.