SAE2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A302-926A

Lot No. A302-926A-1

Protein ID NP_005490.1

GeneID 10054

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to SAE2 immobilized on solid support. The epitope recognized by A302-926A maps to a region between residue 590 and 640 of human SUMO1 Activating Enzyme Subunit 2 using the numbering given in entry NP_005490.1 (GeneID 10054). Antibody 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.

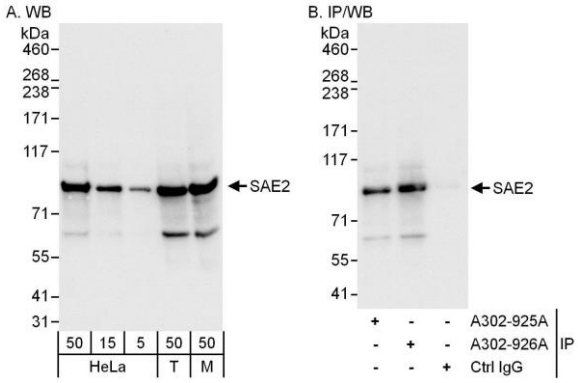
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 5 µg/mg lysate
Immunohistochemistry	1:200 - 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

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.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma
IHC MOUSE CONTROLS	Colon Carcinoma CT26, Renal Cell Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A302-926A 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

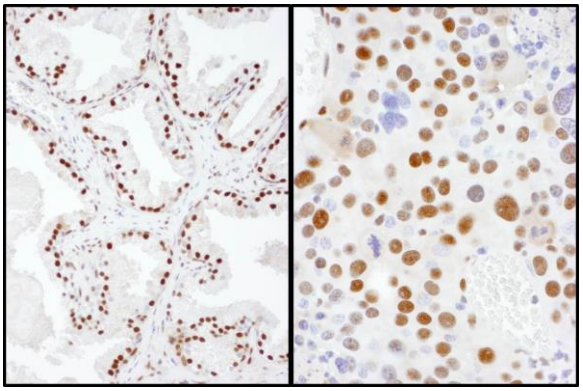
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human and mouse SAE2 by western blot (h&m) and immunoprecipitation (h). *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and mouse NIH 3T3 (M; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-SAE2 antibody A302-926A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 3 µg/mg lysate. SAE2 was also immunoprecipitated by rabbit anti-SAE2 antibody A302-925A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 seconds (A) and 1 second (B).



Detection of human and mouse SAE2 by immunohistochemistry. *Sample:* FFPE sections of human prostate carcinoma (left) and mouse renal cell carcinoma (right). *Antibody:* Affinity purified rabbit anti- SAE2 (Cat. No. A302-926A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB