

SMARCC2/BAF170 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_003066.2

Catalog No. A301-038A

GeneID 6601

Lot No. A301-038A-2



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 SMARCC2/BAF170 immobilized on solid support. The epitope recognized by A301-038A maps to a region between residue 575 and 625 of human SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2 (BRG1-associated factor 170) using the numbering given in entry NP_003066.2 (GeneID 6601). 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/A301-038A 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 SMARCC2/BAF170 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-SMARCC2/BAF170 antibody A301-038A (lot A301-038A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.

Detection of human SMARCC2/BAF170 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-SMARCC2/BAF170 antibody A301-038A (lot A301-038A-2) used for IP at 6 µg per reaction. SMARCC2/BAF170 was also immunoprecipitated by a previous lot of this antibody (lot A301-038A-1) and rabbit anti-SMARCC2/BAF170 antibody A301-039A. For blotting immunoprecipitated SMARCC2/BAF170, A301-038A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.