SMYD2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_064582.2

Catalog No. A303-011A GenelD 56950

Lot No. A303-011A-2

APPLICATIONS WB, IP

SPECIES REACTIVITY Human, Mouse

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Chicken, Bovine and

'ng

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 SMYD2 immobilized on solid support.

The epitope recognized by A303-011A maps to a region between residue 383 and 433 of human SET and MYND Domain Containing 2 using the numbering given in entry NP_064582.2 (GeneID

56950).

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 $2 - 10 \mu g/mg$ 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 4-20% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

ADDITIONAL INFO https://www.bethyl.com/product/A303-011A

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

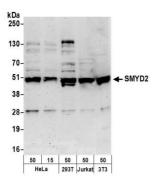
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

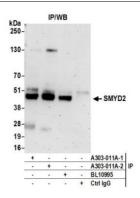
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



SMYD2 Antibody A303-011A





Detection of human and mouse SMYD2 by western blot. Samples: Whole cell lysate (50 & 15 μ g) from HeLa, (50 μ g) from HEK293T, Jurkat, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SMYD2 antibody A303-011A (lot A303-011A-2) used for WB at 0.1 μ g/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

Detection of human SMYD2 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-SMYD2 antibody A303-011A (lot A303-011A-2) used for IP at 6 µg per reaction. SMYD2 was also immunoprecipitated by a previous lot of this antibody (lot A303-011A-1) and rabbit anti-SMYD2 antibody BL10995. For blotting immunoprecipitated SMYD2, A303-011A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.