ADAR1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A303-883A

Lot No. A303-883A-3

Protein ID NP_001102.2

GeneID 103

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
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 ADAR1 immobilized on solid support. The epitope recognized by A303-883A maps to a region between residue 200 and 250 of human Adenosine Deaminase, RNA-specific using the numbering given in entry NP_001102.2 (GeneID 103). 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.

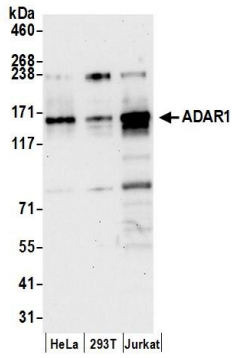
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

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	Ovarian Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A303-883A 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

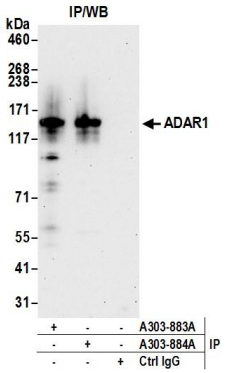
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

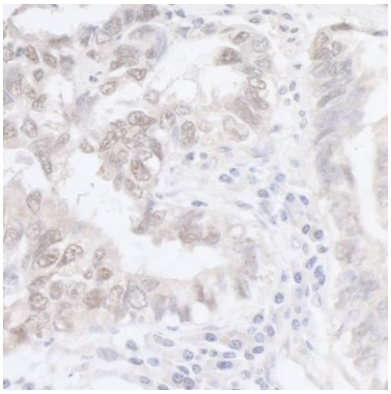
Date: June 21, 2019



Detection of human ADAR1 by western blot. *Samples:* Whole cell lysate (15 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-ADAR1 antibody A303-883A (lot A303-883A-3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human ADAR1 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-ADAR1 antibody A303-883A (lot A303-883A-3) used for IP at 3 µg per reaction. ADAR1 was also immunoprecipitated by rabbit anti-ADAR1 antibody A303-884A. For blotting immunoprecipitated ADAR1, A303-883A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human ADAR1 by immunohistochemistry. *Samples:* FFPE sections of human lung carcinoma. *Antibody:* Affinity purified rabbit anti- ADAR1 Cat. No. A303-883A Lot3 used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB