RAN Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_006316.1

Catalog No. A304-298A GeneID 5901

Lot No. A304-298A-1

APPLICATIONS WB, IP, IHC

SPECIES REACTIVITY Human, Mouse

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Rat, Zebrafish, X.

laevis, X. tropicalis, Chicken, Bovine, Dog and Orangutan

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 RAN immobilized on solid support.

The epitope recognized by A304-298A maps to a region between residue 166 to 216 of human RAs-Related Nuclear Protein using the numbering given in entry NP_006316.1 (GeneID 5901).

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 1:2,000 - 1:10,000. 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 4-20% 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.

IHC HUMAN CONTROLS Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma

IHC MOUSE CONTROLS Renal Cell Carcinoma

ADDITIONAL INFO https://www.bethyl.com/product/A304-298A

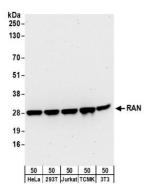
Use the link above to view SDS, a current list of citations, and other product specific information.

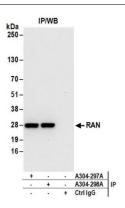
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

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



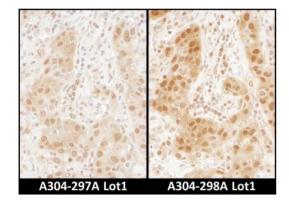
RAN Antibody A304-298A

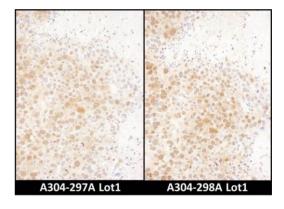




Detection of human and mouse RAN by western blot. Samples: Whole cell lysate (50 μg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-RAN antibody A304-298A (lot A304-298A-1) used for WB at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

Detection of human RAN by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells. Antibodies: Affinity purified rabbit anti-RAN antibody A304-298A (lot A304-298A-1) used for IP at 6 μg per reaction. RAN was also immunoprecipitated by rabbit anti-RAN antibody A304-297A. For blotting immunoprecipitated RAN, A304-298A was used at 1 μg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.





Detection of human RAN by immunohistochemistry. Samples: FFPE serial sections of human breast carcinoma. Antibody: Affinity purified rabbit anti- RAN (Cat. No. A304-297A Lot1, left image and Cat. No. A304-298A Lot1, right image) used at a dilution of 1:5,000 (0.2µg/ml). Detection: DAB

Detection of mouse RAN by immunohistochemistry. *Samples:* FFPE serial sections of mouse renal cell carcinoma. *Antibody:* Affinity purified rabbit anti– RAN (Cat. No. A304–297A Lot1, left image and Cat. No. A304–298A Lot1, right image) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB