WARS Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_004175.2

Catalog No. A304-274A GeneID 7453

Lot No. A304-274A-1

APPLICATIONS WB, IP, IHC

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 WARS immobilized on solid support.

The epitope recognized by A304–274A maps to a region between residue 1 to 50 of human Tryptophanyl–tRNA Synthetase using the numbering given in entry NP_004175.2 (GeneID 7453).

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. \$100–020),

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 Non-Small Cell Lung Cancer

ADDITIONAL INFO https://www.bethyl.com/product/A304-274A

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

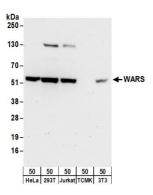
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

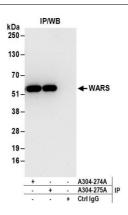
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



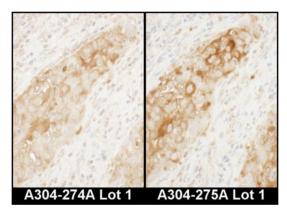
WARS Antibody A304-274A





Detection of human and mouse WARS by western blot. Samples: Whole cell lysate (50 μ g) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-WARS antibody A304-274A (lot A304-274A-1) used for WB at 0.1 μ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

Detection of human WARS 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. Antibodies: Affinity purified rabbit anti-WARS antibody A304-274A (lot A304-274A-1) used for IP at 6 μg per reaction. WARS was also immunoprecipitated by rabbit anti-WARS antibody A304-275A. For blotting immunoprecipitated WARS, A300-274A was used at 0.4 μg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Detection of human WARS by immunohistochemistry. *Samples:* FFPE serial sections of human lung cancer. *Antibody:* Affinity purified rabbit anti– WARS (Cat. No. A304–274A Lot1, left image and Cat. No. A304–275A Lot1, right image) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB