## **ARS2 Antibody**

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_056992.4

Catalog No. A304-550A GeneID 51593

Lot No. A304-550A-3

**APPLICATIONS** WB, IP

SPECIES REACTIVITY Human, Mouse

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

Bovine 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 ARS2 immobilized on solid support.

The epitope recognized by A304-550A maps to a region between residue 1 to 50 of human Arsenate Resistance Protein 2 using the numbering given in entry NP\_056992.4 (GeneID 51593).

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 Iid. 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/A304-550A

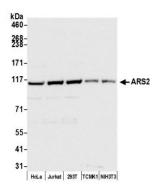
Use the link above to view SDS, a current list of citations, and other product specific information.

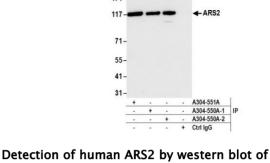
IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

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 24, 2019



**ARS2 Antibody** A304-550A





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IP/WB

Detection of human and mouse ARS2 by western blot. Samples: Whole cell lysate (50 µg) from HeLa, Jurkat, HEK293T, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-ARS2 antibody A304-550A (lot A304-550A-3) used for WB at 0.04 µg/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Hela cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ARS2 antibody A304-550A (lot A304-550A-3) used for IP at 6 µg per reaction. ARS2 was also immunoprecipitated by a previous lot of this antibody (lot A304-550A-1) and rabbit anti-ARS2 antibody A304-551A For blotting immunoprecipitated ARS2, A304-550A was used at 0.04 µg/ml. Chemiluminescence with an exposure time of 3 seconds.