TS Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_001062.1

Catalog No. A304-000A GeneID 7298

Lot No. A304-000A-1

APPLICATIONS WB, IP, IHC

SPECIES REACTIVITY Human. Mouse

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

Rabbit, Pig, Panda, Orangutan, Monkey, Gorilla and Chimpanzee

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 TS immobilized on solid support.

The epitope recognized by A304-000A maps to a region between residue 263 to 313 of human

Thymidylate Synthetase using the numbering given in entry NP_001062.1 (GenelD 7298).

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 1:500 - 1:2,000. 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 Ovarian Carcinoma

IHC MOUSE CONTROLS Hybridoma Tumor, Teratoma

ADDITIONAL INFO https://www.bethyl.com/product/A304-000A

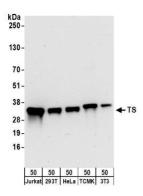
Use the link above to view SDS, a current list of citations, and other product specific information.

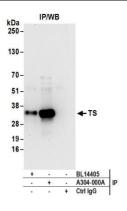
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

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



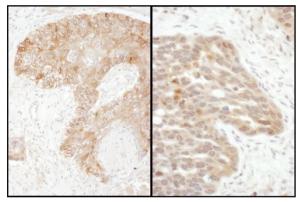
TS Antibody A304-000A



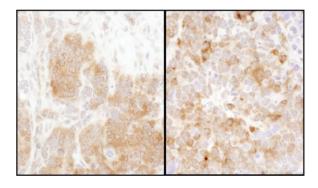


Detection of human and mouse TS by western blot. Samples: Whole cell lysate (50 μ g) from Jurkat, HEK293T, HeLa, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-TS antibody A304-000A (lot A304-000A-1) used for WB at 0.1 μ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

Detection of human TS by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from Jurkat cells. Antibodies: Affinity purified rabbit anti–TS antibody A304–000A (lot A304–000A–1) used for IP at 6 μ g/mg lysate. TS was also immunoprecipitated by rabbit anti–TS antibody BL14405. For blotting immunoprecipitated TS, A304–000A was used at 1 μ g/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



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



Detection of mouse TS by immunohistochemistry. *Samples:* FFPE sections of mouse teratoma (left) and plasmacytoma (right). *Antibody:* Affinity purified rabbit anti- TS (Cat. No. A304-000A Lot1) used at a dilution of 1:1,000 (lug/ml). *Detection:* DAB