Rabbit anti-Human, Mouse TS Polyclonal Antibody | anti-TS antibody

Rabbit anti-TS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212437	**Rabbit**	**Human, Mouse**	**Immunohistochemistry, Immunoprecipitation, Western Blot**

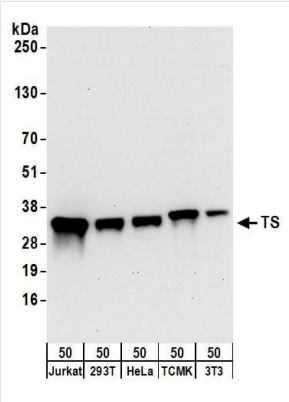
PRODUCT SYNONYMS

TS; Polyclonal Antibody; Rabbit anti-TS Antibody; Affinity Purified; TSase; TMS; HST422; thymidylate synthase; Thymidylate synthase; thymidylate synthetase; anti-TS antibody

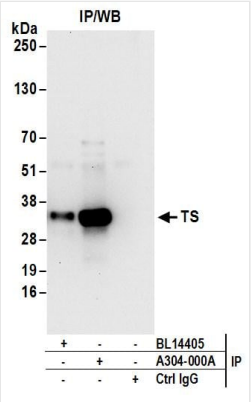
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-TS antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Bovine, Dog, Rabbit, Pig, Panda, Orangutan, Monkey, Gorilla, Chimpanzee
Immunogen	Between 263 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

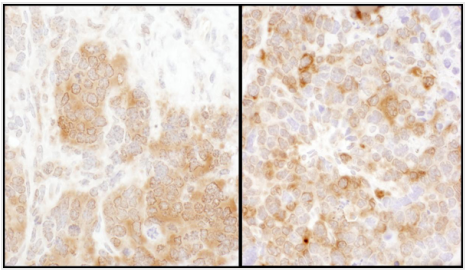
IMAGES



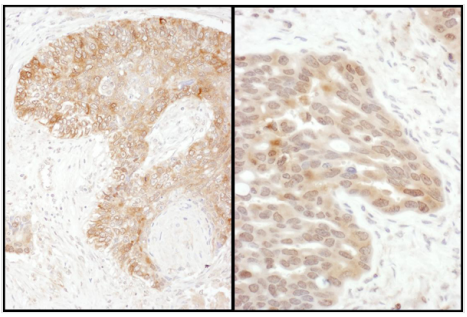
WB (Western Blot)
Detection of human and mouse TS by western blot. Samples: Whole cell lysate (50 ug) from Jurkat, HEK293T, HeLa, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-TS antibody AAA212437 (lot AAA212437-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)
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 AAA212437 (lot AAA212437-1) used for IP at 6 ug/mg lysate. TS was also immunoprecipitated by rabbit anti-TS antibody BL14405. For blotting immunoprecipitated TS, AAA212437 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IHC (Immunohiostchemistry)
Detection of mouse TS by immunohistochemistry. Samples: FFPE sections of mouse teratoma (left) and plasmacytoma (right). Antibody: Affinity purified rabbit anti-TS (Cat. No. AAA212437 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



IHC (Immunohistochemistry)
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. AAA212437 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-TS antibody	Thymidylate synthetase (TS) catalyzes the methylation of deoxyuridylate to deoxythymidylate using 5,10-methylenetetrahydrofolate (methylene-THF) as a cofactor. This function maintains the dTMP (thymidine-5-prime monophosphate) pool critical for DNA replication and repair. The enzyme has been of interest as a target for cancer chemotherapeutic agents. TS is considered to be the primary site of action for 5-fluorouracil, 5-fluoro-2-prime-deoxyuridine, and some folate analogs [taken from NCBI Entrez Gene (Gene ID: 7298)].
Product Categories/Family for anti-TS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507751
NCBI GeneID	7298
NCBI Accession #	NP_001062.1
NCBI GenBank Nucleotide #	NM_001071.2
UniProt Accession #	P04818; Q8WYK3; Q8WYK4
Molecular Weight	26,140 Da
NCBI Official Full Name	thymidylate synthase
NCBI Official Synonym Full Names	thymidylate synthetase
NCBI Official Symbol	TYMS
NCBI Official Synonym Symbols	TS; TMS; HST422
NCBI Protein Information	thymidylate synthase; TSase
UniProt Protein Name	Thymidylate synthase
UniProt Gene Name	**TYMS**
UniProt Synonym Gene Names	TS; TS; TSase
UniProt Entry Name	TYSY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/ts-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212437