

Rabbit anti-Human TYSY Polyclonal Antibody | anti-TYMS antibody

TYSY Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28647	Rabbit	Human	Western Blot, ELISA, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

TYSY; Polyclonal Antibody; TYSY Antibody (C-term); Thymidylate synthase; TS; TSase; TYMS; anti-TYMS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TYSY antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-294 amino acids from the C-terminal region of human TYSY.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.58 (varies by lot)
Sequence Positions	265-294
Sequence Length	230
Applicable Applications for anti-TYMS antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB~~1:2000 IHC~~1:500 IF~~1:50 FC~~1:50
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM (Flow Cytometry)

TYSY Antibody (C-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of TYSY Antibody (C-term) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



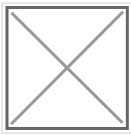
IF (Immunofluorescence)

Confocal immunofluorescent analysis of TYSY Antibody (C-term) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



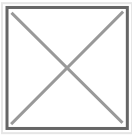
IHC (Immunohistochemistry)

TYSY Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TYSY Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IHC (Immunohistochemistry)

TYSY Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TYSY Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

TYSY Antibody (C-term) western blot analysis in HeLa, Jurkat and HL-60 cell line lysates (35ug/lane). This demonstrates the TYSY antibody detected the TYSY protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TYMS antibody	Thymidylate synthase 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. It is considered to be the primary site of action for 5-fluorouracil, 5-fluoro-2-prime-deoxyuridine, and some folate analogs.
Product Categories/Family for anti-TYMS antibody	Crown Antibodies; Metabolism; Neuroscience; Signal Transduction
References	Ren,D.N., J Surg Oncol (2009) Schiffer,C.A., Biochemistry 34 (50), 16279-16287 (1995)

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	35716
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tysy-antibody-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/28647>