

Rabbit TYMP Polyclonal Antibody | anti-TYMP antibody

TYMP Antibody

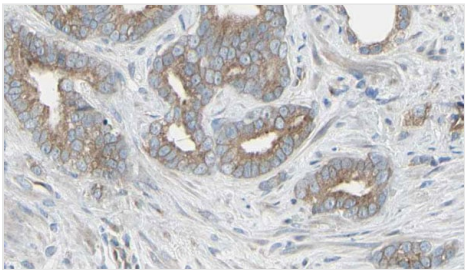
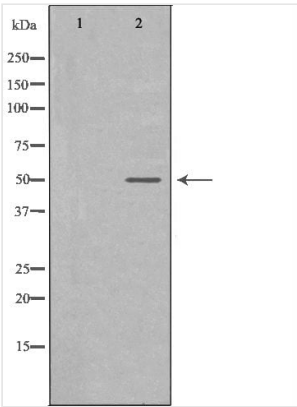
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326018	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TYMP; Polyclonal Antibody; TYMP Antibody; ECGF 1; ECGF; ECGF1; Endothelial cell growth factor 1; Endothelial cell growth factor 1 platelet derived; Endothelial cell growth factor; platelet-derived; Gliostatin; hPD ECGF; MEDPS1; MNGIE; MTDPS1; PD ECGF; PD-ECGF; PDECGF; PDEGF; Platelet derived endothelial cell growth factor; Platelet derived endothelial growth factor; Platelet-derived endothelial cell growth factor; TdRPase; Thymidine phosphorylase; TP; Tymp; TYPH_HUMAN; anti-TYMP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TYMP antibody detects endogenous levels of total TYMP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	482
Applicable Applications for anti-TYMP antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TYMP
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326018 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of A549 whole cell lysates, using TYMP Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TYMP antibody

Description: Thymidine phosphorylase (TP) is a platelet-derived endothelial cell growth factor (PD-ECGF) that catalyzes the formation of thymine and 2-deoxy-D-ribose-1-phosphate from thymidine and orthophosphate (1). This intracellular enzyme is capable of both promoting angiogenesis and inhibiting apoptosis. Thymidine phosphorylase catalytic activity is required for its angiogenic function (2, 3). Increased expression of TP/PD-ECGF is seen in a wide variety of different solid tumors and inflammatory diseases and is often associated with poor prognosis (4, 5). Alternatively, TP can activate fluorouracil derivative (DFUR) prodrugs and increase the antitumor activity of the related treatment (1, 5). The use of thymidine phosphorylase as a cancer therapeutic target has been studied extensively, with emphasis on either inhibiting TP enzymatic activity or increasing enzyme induction with concomitant DFUR treatment (1, 5).

Function: May have a role in maintaining the integrity of the blood vessels. Has growth promoting activity on endothelial cells, angiogenic activity in vivo and chemotactic activity on endothelial cells in vitro.

Subunit Structure: Homodimer.

Similarity: Belongs to the thymidine/pyrimidine-nucleoside phosphorylase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166158922
NCBI GeneID	1890
NCBI Accession #	NP_001107227.1
NCBI GenBank Nucleotide #	NM_001113755.2
UniProt Accession #	P19971; Q13390; Q8WVB7; A8MW15; H9KVA0
Molecular Weight	Observed: 50 kDa Predicted: 50 kDa
NCBI Official Full Name	thymidine phosphorylase isoform 1
NCBI Official Synonym Full Names	thymidine phosphorylase
NCBI Official Symbol	TYMP
NCBI Official Synonym Symbols	TP; ECGF; ECGF1; MNGIE; MEDPS1; MTDPS1; PDECGF; hPD-ECGF
NCBI Protein Information	thymidine phosphorylase
UniProt Protein Name	Thymidine phosphorylase
UniProt Gene Name	TYMP
UniProt Synonym Gene Names	ECGF1; TP; PD-ECGF

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/tymp-antibody-immunohistochemistry-western-blot-elisa/326018>