

Rabbit TYMP Polyclonal Antibody | anti-TYMP antibody

TYMP Antibody

CATALOG # AAA29697	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

TYMP; Polyclonal Antibody; TYMP Antibody; ECGF1; MNGIE; PDECGF; TP; anti-TYMP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total TYMP protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	482
Applicable Applications for anti-TYMP antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:100 Immunofluorescence: 1:50 - 1:200
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human TYMP.
Target Name	TYMP
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using TYMP antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human stomach cancer using TYMP antibody at dilution of 1:100 (200x lens).

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human stomach using TYMP antibody at dilution of 1:100 (200x lens).

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human lung cancer using TYMP antibody at dilution of 1:100 (200x lens).

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human kidney cancer using TYMP antibody at dilution of 1:100 (200x lens).

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using TYMP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TYMP antibody	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).
Product Categories/Family for anti-TYMP antibody	Total protein Ab

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	50,405 Da
NCBI Official Full Name	thymidine phosphorylase isoform 1 proprotein
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
UniProt Entry Name	TYPH_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/tymp-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29697>