TYMP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TYMP, Polyclonal Antibody
Full Product Name	TYMP Antibody; Biotin conjugated
Product Gene Name	anti-TYMP antibody
Product Synonym Names	Thymidine phosphorylase; TP; Gliostatin; Platelet-derived endothelial cell growth factor; PD-ECGF; TdRPase; TYMP; ECGF1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: TYMP (MBS7004561) Biotin Conjugated Antibody: TYMP (MBS7000121)
Molecular Weight	50,405 Da
OMIM	131222
3D Structure	ModBase 3D Structure for P19971
Immunogen	Recombinant human Thymidine phosphorylase protein
Conjugation	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-9522 / sc-9523
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TYMP antibody	ELISA (EIA)
Related Product Information for anti-TYMP antibody	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.
Other Notes	Small volumes of anti-TYMP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TYMP purchase	MBS7000121 is an antibody targeting TYMP. Also known as TYMP Antibody; Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TYMP. It may not necessarily be applicable to this product.

NCBI GI #	166158922

NCBI GeneID	1890
NCBI Accession #	NP_001107227.1
UniProt Primary Accession #	P19971
UniProt Secondary Accession #	Q13390; Q8WVB7; A8MW15; H9KVA0
UniProt Related Accession #	P19971
GenBank Nucleotide #	NM_001113755.2
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
UniProt Protein Name	Thymidine phosphorylase
UniProt Synonym Protein Names	Gliostatin; Platelet-derived endothelial cell growth factor; PD-ECGF; TdRPase
UniProt Gene Name	TYMP
UniProt Synonym Gene Names	ECGF1; TP; PD-ECGF
UniProt Entry Name	TYPH_HUMAN
NCBI Protein Information	thymidine phosphorylase
NCBI Summary for TYMP	This gene encodes an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted target cell specificity acting only on endothelial cells. Mutations in this gene have been associated with mitochondrial neurogastrointestinal encephalomyopathy. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Apr 2012]
UniProt Comments for TYMP	ECGF1: 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. Homodimer. Belongs to the thymidine/pyrimidine-nucleoside phosphorylase family. Protein type: DNA replication; Xenobiotic Metabolism - drug metabolism - other enzymes; Motility/polarity/chemotaxis; Cytokine; Nucleotide Metabolism - pyrimidine; Phosphorylase; Transferase; EC 2.4.2.4 Chromosomal Location of Human Ortholog: 22q13.33 Cellular Component: cytosol Molecular Function: growth factor activity; phosphorylase activity; platelet-derived growth factor receptor binding; pyrimidine-nucleoside phosphorylase activity; thymidine phosphorylase activity; transferase activity, transferring pentosyl groups Biological Process: angiogenesis; cell differentiation; chemotaxis; DNA replication; mitochondrial genome maintenance; nucleobase, nucleoside and nucleotide metabolic process; pyrimidine base metabolic process; pyrimidine nucleoside catabolic process; pyrimidine nucleoside salvage; pyrimidine nucleotide metabolic process Disease: Mitochondrial Dna Depletion Syndrome 1 (mngie Type)
Research Articles on TYMP	**1.** Gastrointestinal cancer patient carriers of the thymidine phosphorylase rs11479 T allele, with a low platelet count, could be at risk of a poor outcome.
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