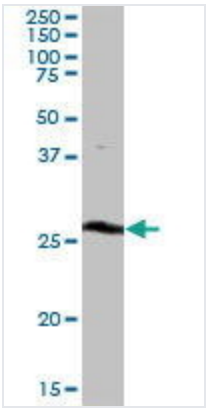
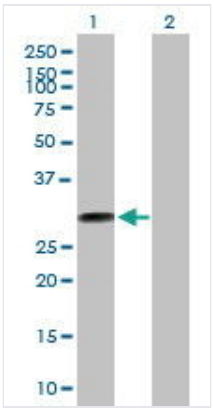
THTPA Antibody – Mouse Polyclonal

PRODUCT OVERVIEW

Product Name	THTPA, Polyclonal Antibody
Full Product Name	THTPA (Thiamine-triphosphatase, ThTPase, THTP)
Product Gene Name	anti-THTPA antibody
Product Synonym Names	Anti -THTPA (Thiamine-triphosphatase, ThTPase, THTP)
Immunogen Sequence	MAQGLIEVER KFLPGPGTEE RLQELGGTLE YRVTFRDTYY DTPELSLMQA DHWLRRREDS GWELKCPGAA GVLGPHTEYK ELTAEPTIVA QLCKVLRADG LGAGDVAAVL GPLGLQEVAS FVTKRSAWKL VLLGADEEEP QLRVDLDTAD FGYAVGEVEA LVHEEAEVPT ALEKIHRLSS MLGVPAQETA PAKLIVYLQR FRPQDYQRLL EVNSSRERPQ ETEDPDHCLG
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human THTPA.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	25,566 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (23980969..24028790). Location: 14q11.2
OMIM	611612
3D Structure	ModBase 3D Structure for Q9BU02
Immunogen	Full length human THTPA, aa1-230 (NP_077304.1).
Product Categories/Family for anti-THTPA antibody	Antibodies; Abs to Vitamins
Applications Tested/Suitable for anti-THTPA antibody	Western Blot (WB)
Application Notes for anti-THTPA antibody	Suitable for use in Western Blot.
Related Product Information for anti-THTPA antibody	MBS646712 is an antibody targeting THTPA. Also known as THTPA (Thiamine-triphosphatase, ThTPase, THTP). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-THTPA 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.



Western Blot (WB) of anti-THTPA antibody
THTPA polyclonal antibody. Western Blot analysis of THTPA expression in K-562.



Western Blot (WB) of anti-THTPA antibody
Western Blot analysis of THTPA expression in transfected 293T cell line by THTPA polyclonal antibody. Lane 1: THTPA transfected lysate (25.3kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

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

NCBI GI #	373251213
NCBI GeneID	79178
NCBI Accession #	NP_001243251.1
UniProt Primary Accession #	Q9BU02
UniProt Secondary Accession #	D3DS50; G3V4J3
UniProt Related Accession #	Q9BU02
GenBank Nucleotide #	NM_001256322.2
NCBI Official Full Name	thiamine-triphosphatase isoform 3
NCBI Official Synonym Full Names	thiamine triphosphatase
NCBI Official Symbol	THTPA
NCBI Official Synonym Symbols	THTP; THTPASE
UniProt Protein Name	Thiamine-triphosphatase
Protein Family	Thiamine-triphosphatase
UniProt Gene Name	THTPA
UniProt Synonym Gene Names	ThTPase
UniProt Entry Name	THTPA_HUMAN
NCBI Protein Information	thiamine-triphosphatase
NCBI Summary for THTPA	This gene encodes an enzyme which catalyzes the biosynthesis of thiamine disphophate (vitamin B1) by hydrolysis of thiamine triphosphate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]

UniProt Comments for THTPA	Function: Hydrolase highly specific for thiamine triphosphate (ThTP). Ref.1 Catalytic activity: Thiamine triphosphate + H2O = thiamine diphosphate + phosphate. Subunit structure: Monomer By similarity. Subcellular location: Cytoplasm Ref.1. Tissue specificity: Widely expressed but at a low level. Ref.1 Sequence similarities: Belongs to the ThTPase family.
Research Articles on THTPA	**1.** The untagged recombinant human ThTPase (hThTPase) was expressed in E. coli and purified to homogeneity.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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