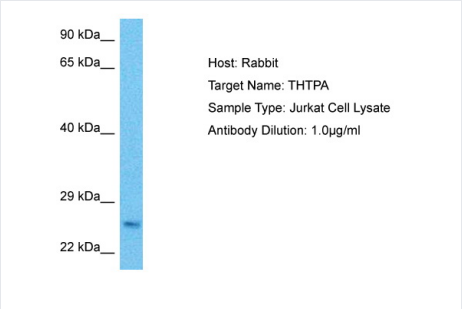
THTPA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	THTPA, Polyclonal Antibody
Full Product Name	THTPA Antibody - N-terminal region
Product Gene Name	anti-THTPA antibody
Product Synonym Gene Name	THTP; THTPASE
Immunogen Sequence	Synthetic peptide located within the following region: MAQGLIEVER KFLPGPGTEE RLQELGGTLE YRVTFRDTYY DTPELSLMQA
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	THTPA peptide (MBS3247604) is used for blocking the activity of THTPA antibody (MBS3222945)
Molecular Weight	25 kDa
OMIM	611612
3D Structure	ModBase 3D Structure for Q9BU02
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human THTPA
Product Categories/Family for anti-THTPA antibody	Polyclonal; Cell Biology
Applications Tested/Suitable for anti-THTPA antibody	Western Blot (WB)
Related Product Information for anti-THTPA antibody	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.
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.
Searchable Terms for THTPA purchase	MBS3222945 is an antibody targeting THTPA. Also known as THTPA Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-THTPA antibody
Host: RabbitTarget Name: THTPASample Tissue: Human Jurkat Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

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

NCBI GI #	187607407
NCBI GeneID	79178
NCBI Accession #	NP_001119811.1
UniProt Primary Accession #	Q9BU02
UniProt Related Accession #	Q9BU02
GenBank Nucleotide #	NM_001126339.3
NCBI Official Full Name	thiamine-triphosphatase isoform 1
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
UniProt Comments for THTPA	THTP: Hydrolase highly specific for thiamine triphosphate (ThTP). Belongs to the ThTPase family. Protein type: Cofactor and Vitamin Metabolism - thiamine; EC 3.6.1.28; Hydrolase Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: cytosol Molecular Function: thiamin-triphosphatase activity; hydrolase activity; magnesium ion binding Biological Process: thiamin metabolic process; generation of precursor metabolites and energy; vitamin metabolic process; dephosphorylation; thiamin and derivative metabolic process; water-soluble vitamin metabolic process; thiamin diphosphate metabolic process
Research Articles on THTPA	**1.** The untagged recombinant human ThTPase (hThTPase) was expressed in E. coli and purified to homogeneity.

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