



Human TPI1 blocking peptide (CDBP3069)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Triosephosphate isomerase antibody
Antigen Description	This gene encodes an enzyme, consisting of two identical proteins, which catalyzes the isomerization of glyceraldehydes 3-phosphate (G3P) and dihydroxy-acetone phosphate (DHAP) in glycolysis and gluconeogenesis. Mutations in this gene are associated with triosephosphate isomerase deficiency. Pseudogenes have been identified on chromosomes 1, 4, 6 and 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	TPI1 triosephosphate isomerase 1 [Homo sapiens (human)]
Official Symbol	TPI1
Synonyms	TPI1; triosephosphate isomerase 1; TIM; TPI; TPID; HEL-S-49; triosephosphate isomerase; triose-phosphate isomerase; epididymis secretory protein Li 49;

Entrez Gene ID	7167
mRNA Refseq	NM_000365.5
Protein Refseq	NP_000356.1
UniProt ID	P60174
Chromosome Location	12p13
Pathway	Biosynthesis of amino acids, organism-specific biosystem; Biosynthesis of amino acids, conserved biosystem; Carbon metabolism, organism-specific biosystem; Carbon metabolism, conserved biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, organism-specific biosystem; Gluconeogenesis, organism-specific biosystem
Function	protein binding; triose-phosphate isomerase activity; triose-phosphate isomerase activity; triose-phosphate isomerase activity;