



# Human TPI1 blocking peptide (CDBP3069)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-Triosephosphate isomerase antibody
<b>Antigen Description</b>	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]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TPI1 triosephosphate isomerase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TPI1
<b>Synonyms</b>	TPI1; triosephosphate isomerase 1; TIM; TPI; TPID; HEL-S-49; triosephosphate isomerase; triose-phosphate isomerase; epididymis secretory protein Li 49;

<b>Entrez Gene ID</b>	<a href="#">7167</a>
<b>mRNA Refseq</b>	<a href="#">NM_000365.5</a>
<b>Protein Refseq</b>	<a href="#">NP_000356.1</a>
<b>UniProt ID</b>	P60174
<b>Chromosome Location</b>	12p13
<b>Pathway</b>	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
<b>Function</b>	protein binding; triose-phosphate isomerase activity; triose-phosphate isomerase activity; triose-phosphate isomerase activity;