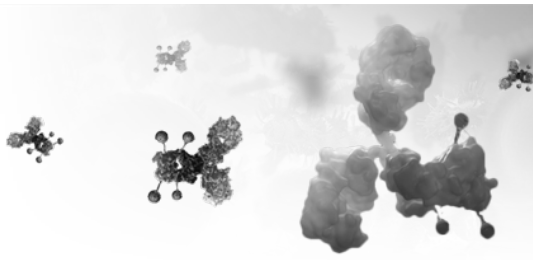

Anti-TPI1 (aa 237-249) polyclonal antibody (DPABH-15463)

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

PRODUCT INFORMATION

Antigen Description	Triosephosphate isomerase (TIM) catalyses the reversible interconversion of G3P and DHAP. Only G3P can be used in glycolysis, therefore TIM is essential for energy production, allowing two molecules of G3P to be produced for every glucose molecule, thereby doubling the energy yield. Defects in TPI1 are the cause of triosephosphate isomerase deficiency (TPI deficiency) [MIM:190450]. TPI deficiency is an autosomal recessive disorder. It is the most severe clinical disorder of glycolysis. It is associated with neonatal jaundice, chronic hemolytic anemia, progressive neuromuscular dysfunction, cardiomyopathy and increased susceptibility to infection.
Specificity	This antibody is expected to recognise both reported isoforms.
Immunogen	Synthetic peptide: C-LKPE FVDIINAKQ, corresponding to C terminal amino acids 237-249 of Human Triosephosphate isomerase, according to NP_000356.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ELISA, WB, IHC-P
Format	Liquid
Size	100 µg
Buffer	Constituents: 0.5% BSA, Tris saline. pH 7.3.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	TPI1 triosephosphate isomerase 2 [Homo sapiens]
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
Protein Refseq	NP_000356.1
UniProt ID	P60174
Pathway	Biosynthesis of amino acids; Carbon metabolism; Disease; Fructose and mannose metabolism
Function	protein binding; triose-phosphate isomerase activity; triose-phosphate isomerase activity; triose-phosphate isomerase activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221