

Rabbit TPI1 Polyclonal Antibody | anti-TPI1 antibody

TPI1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287424	Rabbit	Human, Mouse, Rat (Predicted Reactivity: Bovine, Monkey, Rabbit)	ELISA, Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry

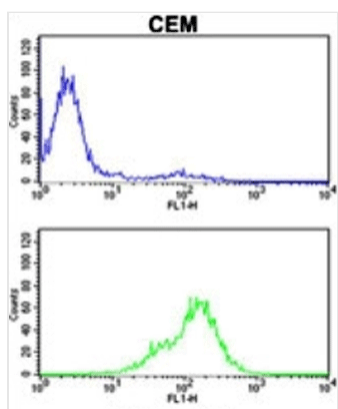
PRODUCT SYNONYMS

TPI1; Polyclonal Antibody; TPI1 Antibody (C-term); Triosephosphate isomerase; TIM; Triose-phosphate isomerase; TPI; anti-TPI1 antibody

PRODUCT SPECIFICATIONS

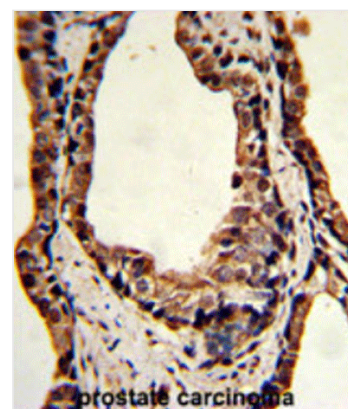
Host	Rabbit
Reactivity	Human, Mouse, Rat (Predicted Reactivity: Bovine, Monkey, Rabbit)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TPI1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 258-286 amino acids from the C-terminal region of human TPI1.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	258-286
Sequence Length	167
Applicable Applications for anti-TPI1 antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Cellular Location	Cytoplasm {ECO:0000255 PROSITE-ProRule:PRU10127}.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



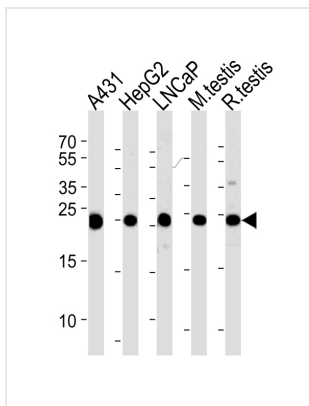
FCM/FACS (Flow Cytometry)

TPI1 Antibody (C-term) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with TPI1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of lysates from A431, HepG2, LNCaP cell line and mouse testis, rat testis tissue lysates (from left to right), using TPI1 Antibody (C-term). AAA287424 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-TPI1 antibody	Function: Triosephosphate isomerase is an extremely efficient metabolic enzyme that catalyzes the interconversion between dihydroxyacetone phosphate (DHAP) and D-glyceraldehyde-3-phosphate (G3P) in glycolysis and gluconeogenesis. Background: TPI1 is 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.
Product Categories/Family for anti-TPI1 antibody	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Martins-de-Souza,D., et.al., BMC Psychiatry 9, 17 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507645
NCBI GeneID	7167
NCBI Accession #	NP_000356.1; NP_001152759.1; NP_001244955.1
NCBI GenBank Nucleotide #	NM_000365.5
UniProt Accession #	P60174; P00938; Q6FHP9; Q6IS07; Q8WWDD; Q96AG5; B7Z5D8; D3DUS9
NCBI Official Full Name	triosephosphate isomerase isoform 1
NCBI Official Synonym Full Names	triosephosphate isomerase 1
NCBI Official Symbol	TPI1
NCBI Official Synonym Symbols	TIM; TPI; TPID; HEL-S-49
NCBI Protein Information	triosephosphate isomerase
UniProt Protein Name	Triosephosphate isomerase
UniProt Gene Name	TPI1
UniProt Synonym Gene Names	TPI; TIM
UniProt Entry Name	TPIS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

