

# TPI1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5440

## Product Information

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<b>Application</b>	FC, IHC-P, WB
<b>Primary Accession</b>	<a href="#">P60174</a>
<b>Other Accession</b>	<a href="#">P48500</a> , <a href="#">P00939</a> , <a href="#">P17751</a> , <a href="#">Q60HC9</a> , <a href="#">Q5E956</a>
<b>Reactivity</b>	Mouse, Rat, Human
<b>Predicted</b>	Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	26669
<b>Isotype</b>	Rabbit IgG
<b>Antigen Source</b>	HUMAN

## Additional Information

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<b>Gene ID</b>	7167
<b>Antigen Region</b>	258-286
<b>Other Names</b>	Triosephosphate isomerase, TIM, Triose-phosphate isomerase, TPI1, TPI
<b>Dilution</b>	FC~1:10~50 IHC-P~1:100~500 WB~1:1000
<b>Target/Specificity</b>	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.
<b>Format</b>	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.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	TPI1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TPI1 ( <a href="#">HGNC:12009</a> )
<b>Synonyms</b>	TPI

## 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.

## Cellular Location

Cytoplasm {ECO:0000255 | PROSITE-ProRule:PRU10127}.

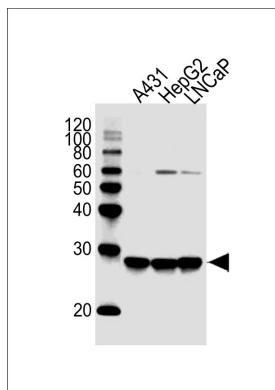
## Background

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.

## References

Martins-de-Souza,D., et.al., BMC Psychiatry 9, 17 (2009)

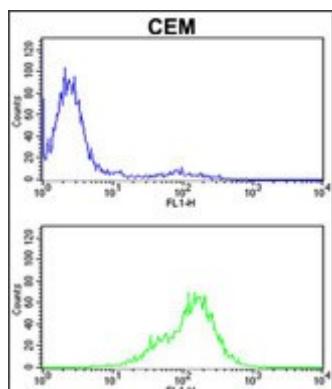
## Images



All lanes : Anti-TPI1 Antibody (C-term) at 1:1000 dilution  
Lane 1: A431 whole cell lysates Lane 2: HepG2 whole cell lysates Lane 3: LNCaP whole cell lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 31 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.



TPI1 Antibody (C-term) (Cat. #AW5440) 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.