

### **TPI1 Antibody (C-term)**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5440

# **Specification**

## TPI1 Antibody (C-term) - Product Information

Application WB, IHC-P, FC,E

Primary Accession P60174

Other Accession <u>P48500</u>, <u>P00939</u>, <u>P17751</u>, <u>Q60HC9</u>, <u>Q5E956</u>

Reactivity Huma

Predicted Bovine, Monkey, Mouse, Rabbit, Rat

Host Rabbit Clonality Polyclonal

Calculated MW H=31,27,18;M=32;R=27 KDa

Isotype Rabbit IgG
Antigen Source HUMAN

# TPI1 Antibody (C-term) - Additional Information

#### **Gene ID 7167**

## **Antigen Region**

258-286

# **Other Names**

Triosephosphate isomerase, TIM, Triose-phosphate isomerase, TPI1, TPI

### **Dilution**

WB~~1:1000 IHC-P~~1:50~100 FC~~1:10~50

#### Target/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.

#### **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.

# **Storage**

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.

## **Precautions**

TPI1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## TPI1 Antibody (C-term) - Protein Information



## Name TPI1

## **Synonyms** 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**

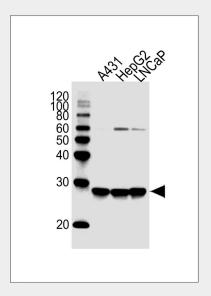
Cytoplasm {ECO:0000255|PROSITE-ProRule:PRU10127}.

## **TPI1** Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **TPI1** Antibody (C-term) - Images

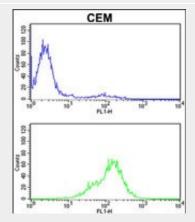


All lanes: Anti-TPI1 Antibody (C-term) at 1:1000 dilution Lane 1: A431 whole cell lysates Lane 2: HepG2 whole cell lysates Lane 3: LNCaP whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 31 kDa 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.

# TPI1 Antibody (C-term) - 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.

## **TPI1 Antibody (C-term) - References**

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