

For Research Use Only

TPI1 Polyclonal antibody

Catalog Number: 10713-1-AP

Featured Product

39 Publications



Basic Information

Catalog Number:

10713-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1175

GenBank Accession Number:

BC007086

GeneID (NCBI):

7167

UNIPROT ID:

P60174

Full Name:

triosephosphate isomerase 1

Calculated MW:

27 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, chicken, yeast, drosophila

Positive Controls:

WB : HEK-293 cells, A431 cells, HepG2 cells, rat liver tissue, rat kidney tissue, RAW 264.7 cells, mouse liver tissue, mouse kidney tissue, NIH/3T3 cells

IP : HEK-293 cells,

Background Information

TPI1 (Triosephosphate isomerase) is also named as TIM, TPI and belongs to the triosephosphate isomerase family. It is a key enzyme in cell metabolism that controls the glycolytic flow and energy production through the interconversion of dihydroxyacetone phosphate (DHAP) and D-glyceraldehyde 3-phosphate (G3P) (PMID:19251756). Defects in TPI1 are the cause of triosephosphate isomerase deficiency (TPI deficiency). It can exist as a homodimer (PMID:18562316).

Notable Publications

Author	Pubmed ID	Journal	Application
Sunada Khadka	36139163	Biomolecules	WB
Chelsea M Winters	29040005	DNA Cell Biol	WB
Valera Vladimir A VA	20975849	J Cancer	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

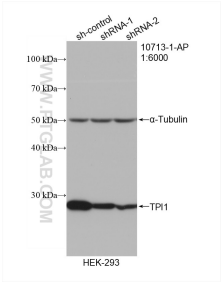
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

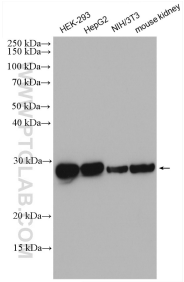
E: proteintech@ptglab.com
W: ptglab.com

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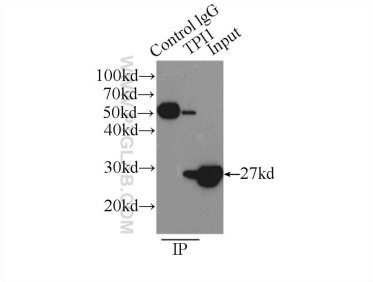
Selected Validation Data



WB result of TPI1 antibody (10713-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TPI1 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10713-1-AP (TPI1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-TPI1 (IP:10713-1-AP, 3ug; Detection:10713-1-AP 1:1000) with HEK-293 cells lysate 2500ug.