

TPI1 Monoclonal antibody

Catalog Number: 60036-2-Ig

Basic Information

Catalog Number:

60036-2-Ig

Size:

150ul , Concentration: 500 µg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

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

CloneNo.:

3G11G3

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, HeLa 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).

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

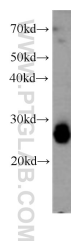
For technical support and original validation data for this product please contact:

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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 60036-2-Ig (TPI1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.