

For Research Use Only

TPI1 Monoclonal antibody

Catalog Number: 60036-2-Ig



Basic Information

Catalog Number: 60036-2-Ig	GenBank Accession Number: BC007086	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 7167	CloneNo.: 3G11G3
Source: Mouse	UNIPROT ID: P60174	Recommended Dilutions: WB 1:500-1:1000
Isotype: IgG1	Full Name: triosephosphate isomerase 1	
Immunogen Catalog Number: AG1175	Calculated MW: 27 kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells
Species Specificity: human	

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

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

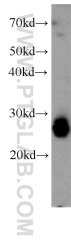
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Selected Validation Data



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.