

**bs-4042R****[ Primary Antibody ]**

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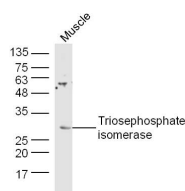
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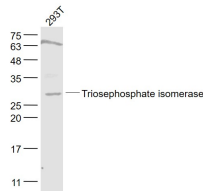
400-901-9800

**Triosephosphate isomerase Rabbit pAb****— DATASHEET —**

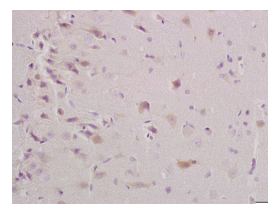
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 7167	<b>SWISS:</b> P60174	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Triosephosphate isomerase		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Triosephosphate isomerase: 151-249/249.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 27 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Extracellular matrix, Cytoplasm, Nucleus
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> This gene encodes 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. Mutations in this gene are associated with triosephosphate isomerase deficiency. Pseudogenes have been identified on chromosomes 1, 4, 6 and 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq]		

**— VALIDATION IMAGES —**

Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti-Triosephosphate isomerase (bs-4042R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 30 kD



Sample: 293T (Human) Cell Lysate at 30 ug Primary: Anti-Triosephosphate isomerase (bs-4042R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 27 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-TPIIS Polyclonal Antibody, Unconjugated (bs-4042R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=7.25]** Yao, Chun, et al. "Role of FADD Phosphorylation in Regulating Glucose Homeostasis: from Proteomic Discovery to Physiological Validation." Molecular & Cellular Proteomics (2013). WB ;="Mouse". 23828893
- **[IF=5.682]** Jie Jiang. et al. Glycolysis- and immune-related novel prognostic biomarkers of Ewing's sarcoma: glucuronic acid epimerase and triosephosphate isomerase 1. Aging-Us. 2021 Jul 15; 13(13): 17516-17535 IHC ;Human. 34233293
- **[IF=3.752]** Xuejiao An. et al. miR-1285-3p targets TPI1 to regulate the glycolysis metabolism signaling pathway of Tibetan sheep Sertoli cells. PLOS ONE. 2022 Sep;17(9):e0270364 WB ;Sheep. 36137140