

Mouse Glucose 6 Phosphate Isomerase Monoclonal Antibody | anti-Gpi antibody

Glucose 6 Phosphate Isomerase antibody

CATALOG # AAA107427	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, ELISA
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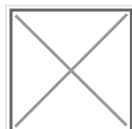
PRODUCT SYNONYMS

Glucose 6 Phosphate Isomerase; Monoclonal Antibody; Glucose 6 Phosphate Isomerase antibody; Monoclonal Glucose 6 Phosphate Isomerase; Anti-Glucose 6 Phosphate Isomerase; GPI; Phosphoglucose isomerase; -;; anti-Gpi antibody

PRODUCT SPECIFICATIONS

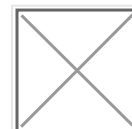
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1B7D7
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	558
Applicable Applications for anti-Gpi antibody	WB (Western Blot), IF (Immunofluorescence), ELISA
Biological Significance	Glucose 6 Phosphate Isomerase belongs to the GPI family whose members encode multifunctional phosphoglucose isomerase proteins involved in energy pathways and it is an enzyme that catalyzes the conversion of glucose-6-phosphate into fructose 6-phosphate in the second step of glycolysis. The protein functions in different capacities inside and outside the cell. In the cytoplasm, the gene product is involved in glycolysis and gluconeogenesis, while outside the cell it functions as a neurotrophic factor for spinal and sensory neurons. Defects in GPI are the cause of nonspherocytic hemolytic anemia and a severe enzyme deficiency can be associated with hydrops fetalis, immediate neonatal death and neurological impairment.
Cross-Reactivity	Human
Immunogen	Glucose 6 Phosphate Isomerase antibody was raised in Mouse using a purified recombinant fragment of human GPI expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human Kidney tissues using GPI antibody.



WB (Western Blot)

Western Blot showing using GPI antibody used against HepG2 (1), SMMC-7721 (2) cell lysate and rat liver tissues lysate (3).



WB (Western Blot)
Western Blot showing GPI antibody used against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY GPI cDNA (2).

ADDITIONAL INFORMATION

Related Product Information for anti-Gpi antibody	Mouse monoclonal Glucose 6 Phosphate Isomerase antibody
Product Categories/Family for anti-Gpi antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	46485440
NCBI GeneID	292804
NCBI Accession #	NP_997475.1
NCBI GenBank Nucleotide #	NM_207592.1
UniProt Accession #	Q6P6V0
Molecular Weight	62,827 Da
NCBI Official Full Name	glucose-6-phosphate isomerase
NCBI Official Synonym Full Names	glucose-6-phosphate isomerase
NCBI Official Symbol	Gpi
NCBI Official Synonym Symbols	Amf; Nlk; Pgi; Phi; Gpi1
NCBI Protein Information	glucose-6-phosphate isomerase
UniProt Protein Name	Glucose-6-phosphate isomerase
UniProt Gene Name	Gpi
UniProt Synonym Gene Names	PHI
UniProt Entry Name	G6PI_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/glucose-6-phosphate-isomerase-antibody-clone-1b7d7-western-blot-immunofluorescence-elisa/107427>