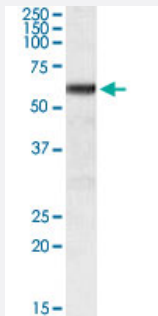


# GPI polyclonal antibody

Catalog # PAB17845      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

GPI polyclonal antibody (Cat # PAB17845) (0.01 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of GPI.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at internal region of human GPI.
<b>Sequence</b>	C-YREHRSELNLRR
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	63.1
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Recommend Usage</b>	ELISA (1:128000) Western Blot (0.01-0.03 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — GPI

**Entrez GeneID**[2821](#)**Protein Accession#**[NP\\_000166.2](#)**Gene Name**

GPI

**Gene Alias**

AMF, GNPI, NLK, PGI, PHI, SA-36

**Gene Description**

glucose phosphate isomerase

**Omim ID**[172400](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene belongs to the GPI family whose members encode multifunctional phosphoglucose isomerase proteins involved in energy pathways. The protein encoded by this gene is a dimeric enzyme that catalyzes the reversible isomerization of glucose-6-phosphate and fructose-6-phosphate. 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 this gene are the cause of nonspherocytic hemolytic anemia and a severe enzyme deficiency can be associated with hydrops fetalis, immediate neonatal death and neurological impairment. [provided by RefSeq]

**Other Designations**

autocrine motility factor|glucose-6-phosphate isomerase|hexose monophosphate isomerase|hexosephosphate isomerase|neuroleukin|oxoisomerase|phosphoglucose isomerase|phosphohexomutase|phosphohexose isomerase|phosphosaccharomutase|sperm antigen-36

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)
- [Starch and sucrose metabolism](#)