

# GPI Polyclonal Antibody

Catalog No: #27978

Package Size: #27978-1 50ul #27978-2 100ul



**SAB**<sup>®</sup>

Signalway Antibody

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

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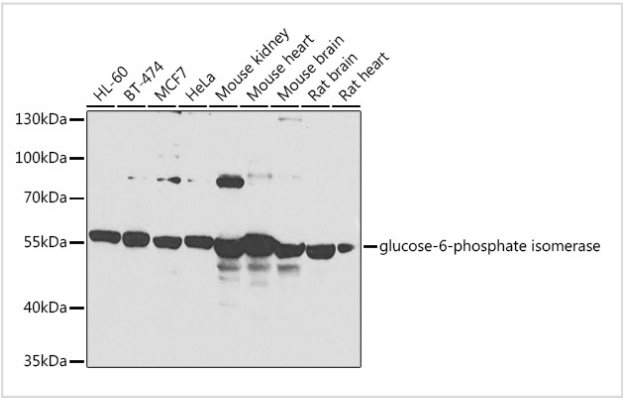
## Description

|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Product Name          | GPI Polyclonal Antibody                                                          |
| Host Species          | Rabbit                                                                           |
| Clonality             | Polyclonal                                                                       |
| Isotype               | IgG                                                                              |
| Purification          | Affinity purification                                                            |
| Applications          | WB,IF                                                                            |
| Species Reactivity    | Human,Mouse,Rat                                                                  |
| Immunogen Description | Recombinant fusion protein of human glucose-6-phosphate isomerase (NP_000166.2). |
| Conjugates            | Unconjugated                                                                     |
| Other Names           | GPI;AMF;GNPI;NLK;PGI;PHI;SA-36;SA36                                              |
| Accession No.         | Uniprot:P06744GenelD:2821                                                        |
| Calculated MW         | 56kDa                                                                            |
| SDS-PAGE MW           | 56kDa                                                                            |
| Formulation           | PBS with 0.02% sodium azide,50% glycerol,pH7.3.                                  |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.                                      |

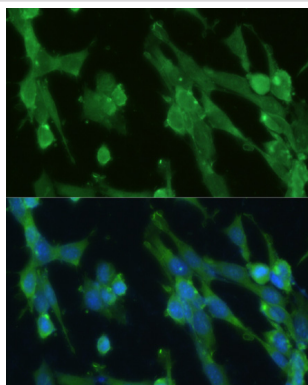
## Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

## Images



Western blot analysis of extracts of various cell lines, using glucose-6-phosphate isomerase antibody.



Immunofluorescence analysis of NIH-3T3 cells using glucose-6-phosphate isomerase antibody.

## Background

This gene encodes a member of the glucose phosphate isomerase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In the cytoplasm, the gene product functions as a glycolytic enzyme (glucose-6-phosphate isomerase) that interconverts glucose-6-phosphate and fructose-6-phosphate. Extracellularly, the encoded protein (also referred to as neuroleukin) functions as a neurotrophic factor that promotes survival of skeletal motor neurons and sensory neurons, and as a lymphokine that induces immunoglobulin secretion. The encoded protein is also referred to as autocrine motility factor based on an additional function as a tumor-secreted cytokine and angiogenic factor. 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. Alternative splicing results in multiple transcript variants.

## Published Papers

Ying Yi;Min-Yu Wu;Kai-Tian Chen;An-Hai Chen;Lin-Qiu Li;Qin Xiong;Xian-Ren Wang;Wen-Bin Lei;Guan-Xia Xiong;Shu-Bin Fang et al., LDHA-mediated glycolysis in stria vascularis endothelial cells regulates macrophages function through CX3CL1-CX3CR1 pathway in noise-induced oxidative stress., , (2025)

[PMID:39900910](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.