

Glucose 6 phosphate isomerase Antibody
Rabbit mAb
Catalog # AP91708**Specification****Glucose 6 phosphate isomerase Antibody - Product Information**

Application	WB, IHC, FC, ICC
Primary Accession	P06744
Clonality	Monoclonal
Other Names	
AMF; NLK; PGI; PHI; GNPI; SA-36; GPI;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	63147 Da

Glucose 6 phosphate isomerase Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Glucose 6 phosphate isomerase
Description	Besides it's role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Glucose 6 phosphate isomerase Antibody - Protein Information

Name GPI {ECO:0000303|PubMed:2387591, ECO:0000312|HGNC:HGNC:4458}

Function

In the cytoplasm, catalyzes the conversion of glucose-6- phosphate to fructose-6-phosphate, the second step in glycolysis, and the reverse reaction during gluconeogenesis (PubMed:28803808). Besides it's role as a glycolytic enzyme, also acts as a secreted cytokine: acts as an angiogenic factor (AMF) that stimulates endothelial cell motility (PubMed:11437381). Acts as a neurotrophic factor, neuroleukin, for spinal and sensory neurons (PubMed:11004567, PubMed:3352745). It is secreted by lectin-stimulated T-cells and induces immunoglobulin secretion (PubMed:11004567, PubMed:3352745).

Cellular Location

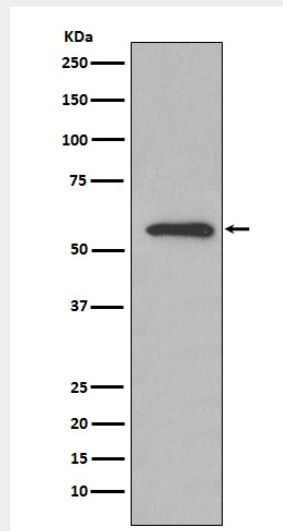
Cytoplasm. Secreted

Glucose 6 phosphate isomerase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Glucose 6 phosphate isomerase Antibody - Images



Western blot analysis of Glucose 6 phosphate isomerase expression in HeLa cell lysate.