

GPI Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17200**Specification**

GPI Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	P06744
Other Accession	2821
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63147
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200

GPI Antibody - Additional Information**Gene ID** 2821**Other Names**

GPI, AMF, Autocrine motility factor, Glucose phosphate isomerase, Hexose monophosphate isomerase, Hexosephosphate isomerase, Neuroleukin, Oxoisomerase, Phosphoglucose isomerase, Phosphohexomutase, Phosphohexose isomerase, SA36, PGI, SA-36, Glucose-6- ...

Target/Specificity

Human GPI.

Reconstitution & Storage

0.1 M Tris-glycine, pH 7, 10% Glycerol, 0.01% Thimerosal. Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

GPI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GPI 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

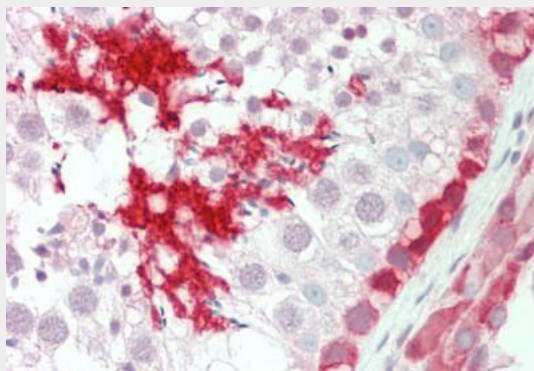
Volume

50 µl

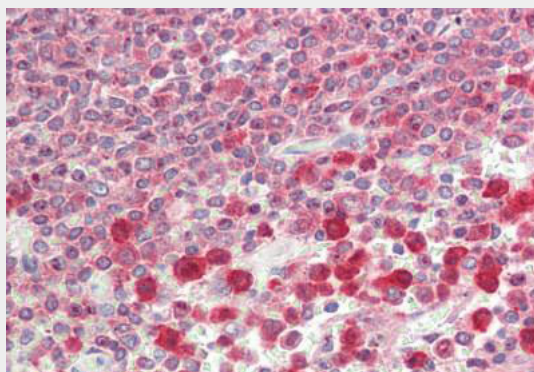
GPI Antibody - Protocols

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

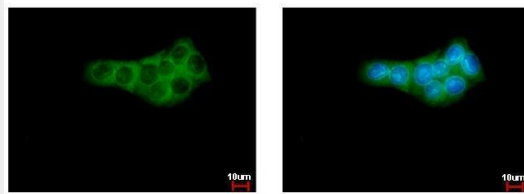
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPI Antibody - Images

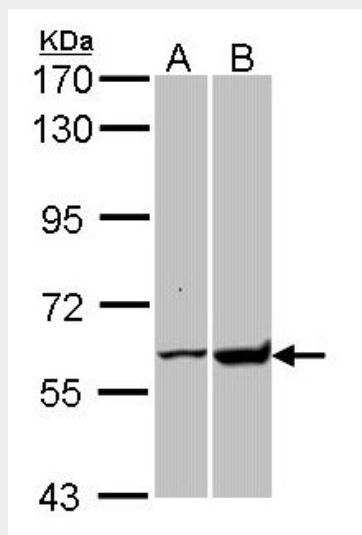
Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



GPI antibody detects GPI protein at cytoplasm by immunofluorescent analysis.



Sample (30 ug of whole cell lysate).

GPI Antibody - Background

Besides its 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.

GPI Antibody - References

Gurney M.E., et al. Submitted (MAR-1987) to the EMBL/GenBank/DDBJ databases.
Yakirevich E., et al. Biol. Reprod. 62:1016-1023(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Grimwood J., et al. Nature 428:529-535(2004).
Walker J.I.H., et al. Genomics 7:638-643(1990).