

Mouse anti-Human GPI Monoclonal Antibody | anti-GPI antibody

GPI antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48203	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

GPI; Monoclonal Antibody; GPI antibody; Glucose-6-phosphate isomerase; AMF; GNPI; NLK; PGI; PHI; SA36; EC 5.3.1.9; Neuroleukin; Phosphoglucose isomerase; Phosphohexose isomerase; SA 36; Sperm antigen 36; G6PI; anti-GPI antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT22G2
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	558
Applicable Applications for anti-GPI antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human GPI (1-558aa) purified from E. coli
Clone Note	Anti-human GPI mAb, clone AT22G2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human GPI protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of GPI in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GPI antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GPI antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : HepG2 cell lysate Lane 3. : A549 cell lysate Lane 4. : Jurkat cell lysate Lane 5. : U87MG cell lysate Lane 6. : Raji cell lysate Lane 7. : MCF7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GPI antibody	Glucose-6-phosphate isomerase (GPI), also known as phosphoglucose isomerase (PGI) or phosphohexose isomerase (PHI), is an enzyme. In the cytoplasm, it functions as a glycolytic enzyme (glucose-6-phosphate isomerase) that interconverts glucose-6-phosphate (G6P) and fructose-6-phosphate (F6P). Extracellularly, it functions as a neurotrophic factor that promotes survival of skeletal motor neurons and sensory neurons, and as a lymphokine that induces immunoglobulin secretion. GPI is also referred to as autocrine motility factor (AMF) based on an additional function as a tumor-secreted cytokine and angiogenic factor. 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. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-GPI antibody	Neuroscience
References	Cordeiro AT., et al. (2003) Biochimica et biophysica acta. 1645 (2): 117-122.; Kugler W., et al. (2000) Baillieres Best Pract Res Clin Haematol. 13 (1): 89-101.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18201905
NCBI GeneID	2821
NCBI Accession #	NP_000166
NCBI GenBank Nucleotide #	NM_000175.4
UniProt Accession #	P06744; Q9BRD3; Q9BSK5; Q9UHE6; B4DG39
Molecular Weight	64,325 Da
NCBI Official Full Name	glucose-6-phosphate isomerase isoform 2
NCBI Official Synonym Full Names	glucose-6-phosphate isomerase
NCBI Official Symbol	GPI
NCBI Official Synonym Symbols	AMF; NLK; PGI; PHI; GNPI; SA36; SA-36
NCBI Protein Information	glucose-6-phosphate isomerase
UniProt Protein Name	Glucose-6-phosphate isomerase
UniProt Gene Name	GPI
UniProt Synonym Gene Names	GPI; AMF; NLK; PGI; PHI; SA-36

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/gpi-antibody-clone-at22g2-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48203>