

Rabbit GPI Polyclonal Antibody | anti-GPI antibody

GPI Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290058	Rabbit	Human, mouse (Predicted Reactivity: Monkey)	Western Blot, ELISA, Flow Cytometry, Functional Assay

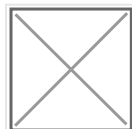
PRODUCT SYNONYMS

GPI; Polyclonal Antibody; GPI Antibody (C-term); Glucose-6-phosphate isomerase; Autocrine motility factor; AMF; Neuroleukin; NLK; Phosphoglucose isomerase; PGI; Phosphohexose isomerase; PHI; Sperm antigen 36; SA-36; anti-GPI antibody

PRODUCT SPECIFICATIONS

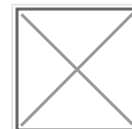
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GPI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 445-473 amino acids from the C-terminal region of human GPI.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	445-473
Sequence Length	569
Applicable Applications for anti-GPI antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GPI Antibody (C-term) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of lysates from Ramos cell line,mouse liver, rat liver tissue (from left to right),using GPI Antibody (C-term). AAA290058 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-GPI antibody	GPI 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.
Product Categories/Family for anti-GPI antibody	Crown Antibodies; Cancer; Immunology; Neuroscience
References	Shih, W.L., et al. Cancer Lett. 290(2):223-237(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Araki, K., et al. J. Biol. Chem. 284(47):32305-32311(2009) Tsutsumi, S., et al. Int. J. Oncol. 35(5):1117-1121(2009) Funasaka, T., et al. Cancer Res. 69(13):5349-5356(2009) Yanagawa, T., et al. J. Biol. Chem. 280(11):10419-10426(2005) Haga, A., et al. Biochim. Biophys. Acta 1480 (1-2), 235-244 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18201905
NCBI GeneID	2821
NCBI Accession #	NP_000166.2; NP_001171651.1
NCBI GenBank Nucleotide #	NM_000175.3
UniProt Accession #	P06744; Q9BRD3; Q9BSK5; Q9UHE6; B4DG39
Molecular Weight	63147
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
UniProt Entry Name	G6PI_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpi-antibody-western-blot-flow-cytometry-elisa/290058>