

Rabbit anti-Human Glucose-6-phosphate isomerase Polyclonal Antibody | anti-GPI antibody

Rabbit anti-human Glucose-6-phosphate isomerase polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26916	Rabbit	Human	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

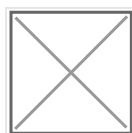
PRODUCT SYNONYMS

Glucose-6-phosphate isomerase; Polyclonal Antibody; Rabbit anti-human Glucose-6-phosphate isomerase polyclonal Antibody; Autocrine motility factor; Phosphoglucose isomerase; Phosphohexose isomerase; Sperm antigen 36; anti-GPI antibody

PRODUCT SPECIFICATIONS

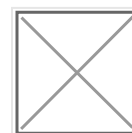
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	558
Applicable Applications for anti-GPI antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Recommended dilution: IHC: 1:20-1:200
Immunogen	Recombinant human Glucose-6-phosphate isomerase
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-30392 / sc-33777
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating GPI in Hela whole cell lysate Lane 1: Rabbit monoclonal IgG (1ug) instead of AAA26916 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA26916 (8ug)+ Hela whole cell lysate (500ug) Lane 3: Hela whole cell lysate (10ug)



IF (Immunofluorescence)

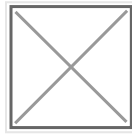
Immunofluorescent analysis of PC3 cells using AAA26916 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

**IHC (Immunohistochemistry)**

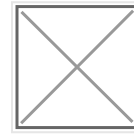
Immunohistochemistry of paraffin-embedded human endometrial cancer using AAA26916 at dilution of 1:100

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colon cancer using AAA26916 at dilution of 1:100

**WB (Western Blot)**

Western BlotPositive WB detected in: PC3 whole cell lysate,Hela whole cell lysate,Rat brain tissue,Mouse heart tissue,Mouse liver tissue,Mouse kidney tissue,Mouse brain tissueAll lanes: GPI antibody at 2.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 64 KDaObserved band size: 64 KDa

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human kidney using AAA26916 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-GPI antibody	<p>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.</p> <p>This gene belongs to the GPI family whose members encode multifunctional phosphoglucose isomerase proteins involved in energy pathways. This protein 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.</p>
Product Categories/Family for anti-GPI antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	18201905
NCBI GeneID	2821
NCBI Accession #	NP_000166.2
NCBI GenBank Nucleotide #	NM_000175.3
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/polyclonal/glucose-6-phosphate-isomerase-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/26916>