

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

Glucose 6 phosphate isomerase Antibody

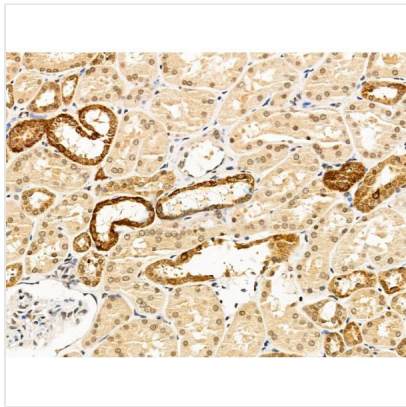
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329148	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

Glucose 6 phosphate isomerase; Polyclonal Antibody; Glucose 6 phosphate isomerase Antibody; AMF; Aurocrine motility factor; Autocrine motility factor; DKFZp686C13233; EC 5.3.1.9; G6PI_HUMAN; Glucose phosphate isomerase; Glucose-6-phosphate isomerase; GNPI; GPI; Gpi1; Hexose monophosphate isomerase; Hexosephosphate isomerase; Neuroleukin; NLK; Oxoisomerase; PGI; PHI; Phosphoglucose isomerase; Phosphohexomutase; Phosphohexose isomerase; Phosphosaccharomutase; SA 36; SA-36; SA36; Sperm antigen 36; anti-GPI antibody

PRODUCT SPECIFICATIONS

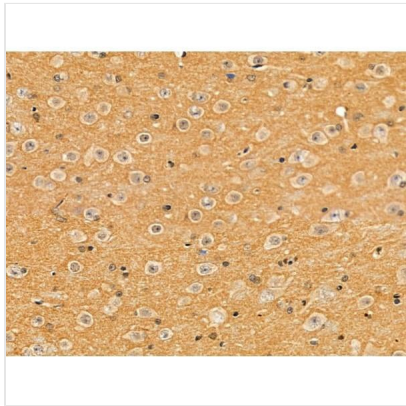
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Glucose 6 phosphate isomerase Antibody detects endogenous levels of total Glucose 6 phosphate isomerase.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	558
Applicable Applications for anti-GPI antibody	ELISA
Immunogen	A synthesized peptide derived from human Glucose 6 phosphate isomerase, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



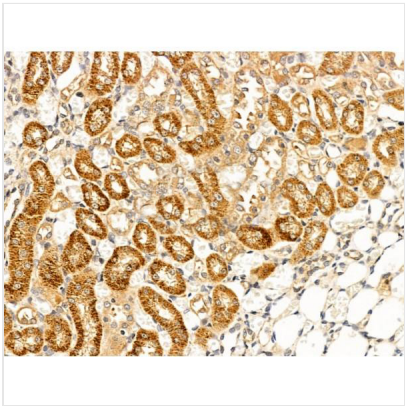
IHC (Immunohistochemistry)
AAA329148 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



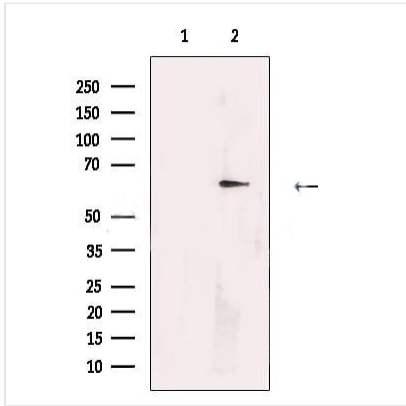
IHC (Immunohistochemistry)
AAA329148 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329148 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329148 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Rat heart, using Glucose 6 phosphate isomerase Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GPI antibody	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:3352745, PubMed:11004567). It is secreted by lectin-stimulated T-cells and induces immunoglobulin secretion (PubMed:3352745, PubMed:11004567). Post Translational Modifications: Phosphorylation at Ser-185 by CK2 has been shown to decrease enzymatic activity and may contribute to secretion by a non-classical secretory pathway.ISGylated. Subcellular Location: Cytoplasm. Secreted. Subunit Structure: Homodimer; in the catalytically active form (PubMed:11371164, PubMed:12054796, PubMed:12777791). Monomer in the secreted form (PubMed:11371164, PubMed:12054796, PubMed:12777791). Similarity: Belongs to the GPI family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17380385
NCBI GeneID	2821
UniProt Accession #	P06744
Molecular Weight	Observed Molecular Weight: (Observed)63kD. Predicted Molecular Weight: (Calculated)63kDa.
NCBI Official Full Name	Glucose-6-phosphate isomerase
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://www.aaabiotech.com/polyclonal/glucose-6-phosphate-isomerase-antibody-elisa/329148>