

Mouse GPI Monoclonal Antibody | anti-GPI antibody

GPI antibody

CATALOG # AAA74737	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

GPI; Monoclonal Antibody; GPI antibody; Monoclonal GPI; Anti-GPI; GNPDA1; Glucosamine-6-Phosphate Deaminase 1; GNPDA; GNPI; HLN; KIAA0060; anti-GPI antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4B11
Purity/Purification	GPI antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	558
Applicable Applications for anti-GPI antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	GPI belongs to the glucosamine/galactosamine-6-phosphate isomerase family. It seems to trigger calcium oscillations in mammalian eggs. These oscillations serve as the essential trigger for egg activation and early development of the embryo.
Cross-Reactivity	Human
Immunogen	GPI antibody was raised in mouse using a full length recombinant protein of human GPI (NP_000166) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of GPI protein in paraffin embedded Human pancreas tissue using GPI antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant GPI protein (Right) or empty vector (Left) detected with GPI antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GPI antibody	Mouse monoclonal GPI antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18201905
NCBI GeneID	2821
NCBI Accession #	NP_000166
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
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/monoclonal/gpi-antibody-clone-4b11-western-blot-immunohistochemistry-immunofluorescence-elisa/74737>