Anti-GPI/AMF Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015277

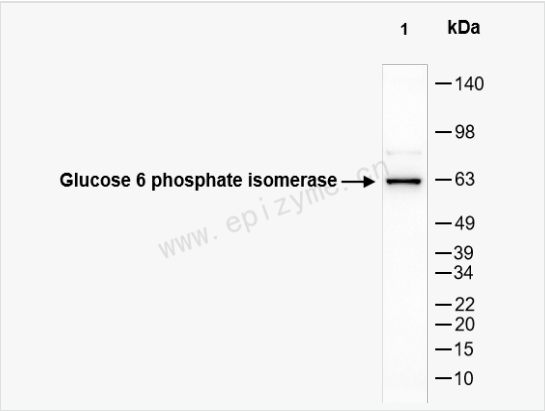
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	28T75T27
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Glucose 6 phosphate isomerase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GPI/AMF Rabbit mAb [28T75T27] is for research use only and not for use in diagnostic or therapeutic procedures.

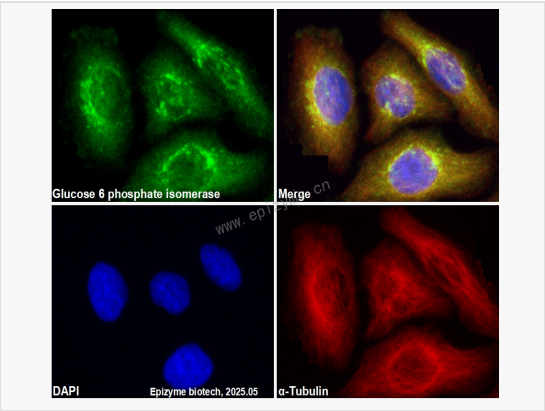
Protein Information

Synonyms	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.
Calculated MW	Calculated MW: 63 kDa; Observed MW: 63 kDa
Uniprot ID	P06744
Gene ID	2821
Background	This gene encodes a member of the glucose phosphate isomerase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In the cytoplasm, the gene product functions as a glycolytic enzyme (glucose-6-phosphate isomerase) that interconverts glucose-6-phosphate and fructose-6-phosphate. Extracellularly, the encoded protein (also referred to as neuroleukin) functions as a neurotrophic factor that promotes survival of skeletal motor neurons and sensory neurons, and as a lymphokine that induces immunoglobulin secretion. The encoded protein is also referred to as autocrine motility factor based on an additional function as a tumor-secreted cytokine and angiogenic factor. 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016].
Cellular Location	Cytoplasm. Secreted.

Validation Images



Western Blot - Anti-GPI/AMF Rabbit mAb [28T75T27]
All lanes: R015277 at 1:1,000 dilution
Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 63 kDa
Observed band size: 63 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-GPI/AMF Rabbit mAb [28T75T27]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R015277 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).