

anti- GPI antibody

Product Information

Catalog No.:	CAF50140
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

Immunogen:	glucose phosphate isomerase
Synonyms:	AMF, Autocrine motility factor, g6pi, Glucose 6 phosphate isomerase, glucose phosphate isomerase, GNPI, GPI, Neuroleukin, NLK, PGI, PHI, Phosphoglucose isomerase, Phosphohexose isomerase, SA 36, Sperm antigen 36
Observed MW:	56 kDa
Uniprot ID :	P06744

Application

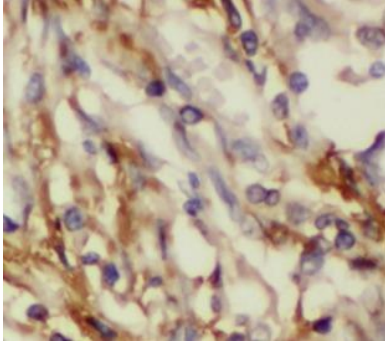
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF

This Antibody is for Research Use Only. Not for Diagnostic Procedures.

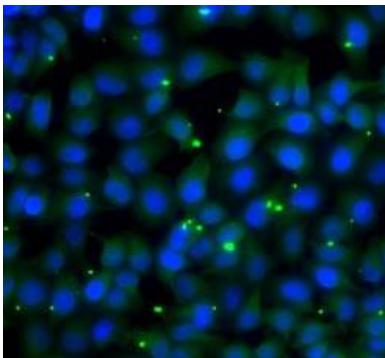
This is a sample Antibody manual only. Always refer to the hard copy manual included in the Antibody for your experiment.

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:50 - 1:200

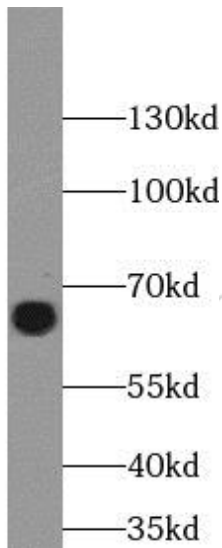
Image:



Immunohistochemistry of paraffin-embedded rat kidney using CAF50140(GPI Antibody) at dilution of 1:200



Immunofluorescence analysis of U2OS cells using CAF50140(GPI Antibody) Blue: DAPI for nuclear staining.



PC-3 cells were subjected to SDS PAGE followed by western blot with CAF50140(GPI antibody) at dilution of 1:1000

This Antibody is for Research Use Only. Not for Diagnostic Procedures.

This is a sample Antibody manual only. Always refer to the hard copy manual included in the Antibody for your experiment.