

Datasheet for ABIN6939548

anti-GPI antibody

5 Images

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Overview

Quantity:	100 µg
Target:	GPI
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GPI antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length GPI protein
Clone:	CPTC-GPI-1
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	GPI
Alternative Name:	GPI (GPI Products)
Target Type:	Viral Protein
Background:	Besides it's role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted

Target Details

cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons. Defects in GPI are the cause of hemolytic anemia non-spherocytic due to glucose phosphate isomerase deficiency.

Molecular Weight: 55kDa

Gene ID: 2821

UniProt: [P06744](#)

Application Details

Application Notes: Positive Control: T47D, PC3, MCF-7, HepG2 and A549 cells. Brain, pancreas or thyroid carcinoma.

Known Application: Western Blot (1-2 µg/mL), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

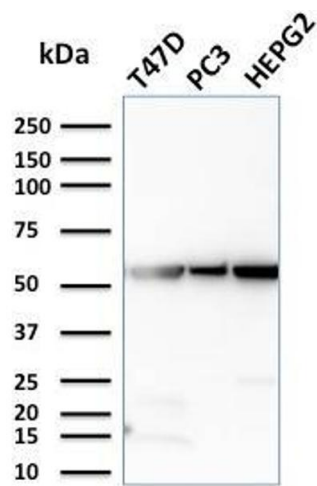
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

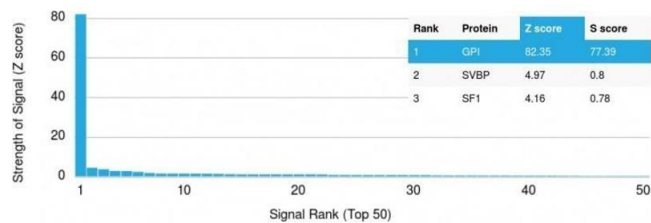
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



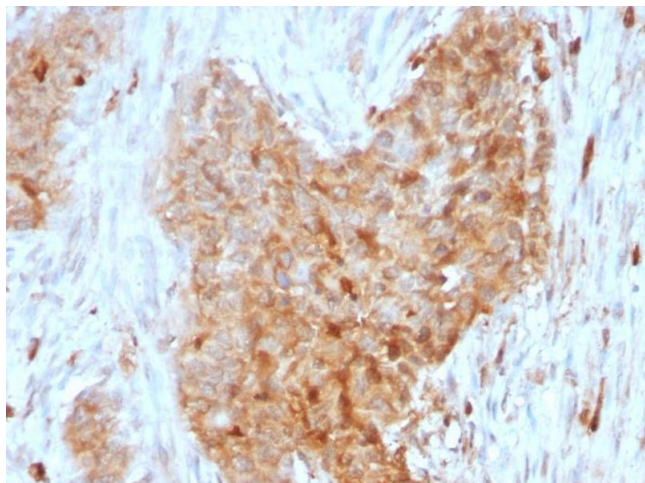
Western Blotting

Image 1. Western Blot Analysis of T47D, PC3, HePG2 cell lysates using GPI Mouse Monoclonal Antibody (CPTC-GPI-1).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Glucose 6-Phosphate Isomerase Monoclonal Antibody (CPTC-GPI-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with GPI Mouse Monoclonal Antibody (CPTC-GPI-1).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939548.