

For Research Use Only

G6PD Monoclonal antibody, PBS Only



Catalog Number: 66373-1-PBS

Featured Product

Basic Information

Catalog Number: 66373-1-PBS	GenBank Accession Number: BC000337	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 2539	CloneNo.: 2A7B12
Source: Mouse	UNIPROT ID: P11413	
Isotype: IgG2a	Full Name: glucose-6-phosphate dehydrogenase	
Immunogen Catalog Number: AG21862	Calculated MW: 59 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications:
WB, IHC, IF, ELISA

Species Specificity:
human, mouse, rat

Background Information

G6PD (Glucose-6-phosphate 1-dehydrogenase) belongs to the glucose-6-phosphate dehydrogenase family. It is a housekeeping enzyme encoded in mammals by an X-linked gene. G6PD has important functions in intermediary metabolism because it catalyzes the first step in the pentose phosphate pathway and provides reductive potential in the form of NADPH. (PMID:7489710). This protein has 3 isoforms produced by alternative splicing.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS only

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

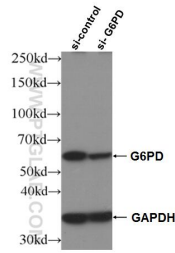
T: 4006900926

E: Proteintech-CN@ptglab.com

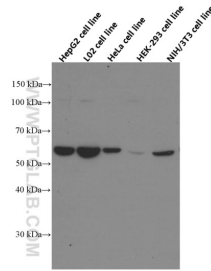
W: ptgcn.com

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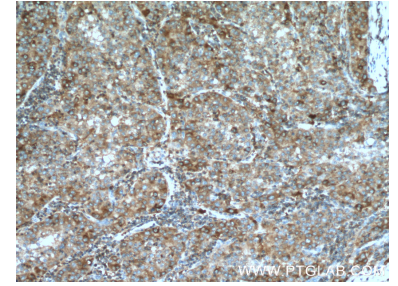
Selected Validation Data



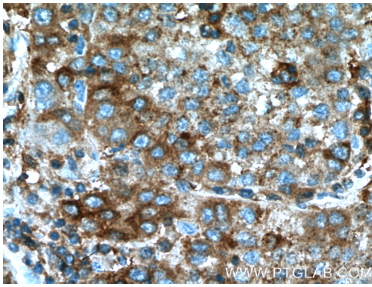
WB result of G6PD antibody (66373-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-G6PD transfected HeLa cells. This data was developed using the same antibody clone with 66373-1-PBS in a different storage buffer formulation.



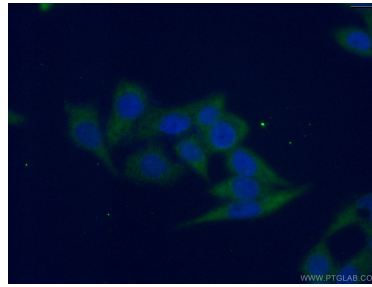
Several cell lines were subjected to SDS PAGE followed by western blot with 66373-1-Ig (G6PD Antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66373-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66373-1-Ig (G6PD Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66373-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66373-1-Ig (G6PD Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66373-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66373-1-Ig (G6PD antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66373-1-PBS in a different storage buffer formulation.