

For Research Use Only

G6PD Recombinant antibody

Catalog Number: 86240-1-RR



Basic Information

Catalog Number:	86240-1-RR	GenBank Accession Number:	BC000337	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	2539	CloneNo.:	250831F8
Source:	Rabbit	UNIPROT ID:	P11413	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Isotype:	IgG	Full Name:	glucose-6-phosphate dehydrogenase		
Immunogen Catalog Number:	AG21862	Calculated MW:	59 kDa		
		Observed MW:	60 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IF/ICC, ELISA	WB: HeLa cells, MCF-7 cells, HT-29 cells, HEK-293 cells, A549 cells
Species Specificity:	IF/ICC: HeLa cells, NIH/3T3 cells

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

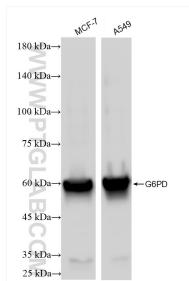
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

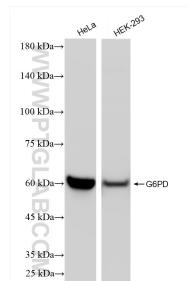
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

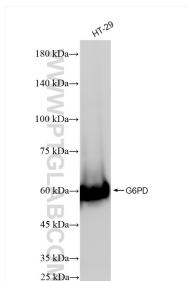
Selected Validation Data



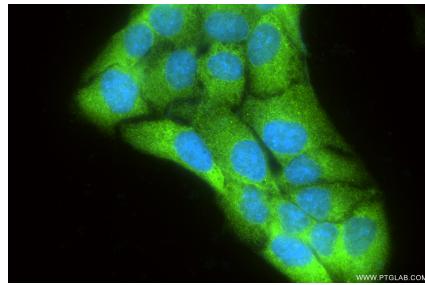
Various lysates were subjected to SDS PAGE followed by western blot with 86240-1-RR (G6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



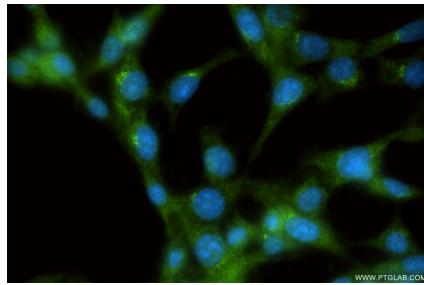
Various lysates were subjected to SDS PAGE followed by western blot with 86240-1-RR (G6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



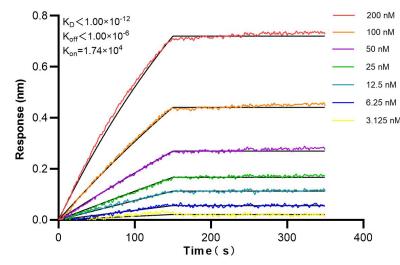
HT-29 cells were subjected to SDS PAGE followed by western blot with 86240-1-RR (G6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using G6PD antibody (86240-1-RR, Clone: 250831F8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using G6PD antibody (86240-1-RR, Clone: 250831F8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86240-1-RR against Human G6PD were performed. The affinity constant is below 1 pM.