

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
Concentration:	1000 µg/ml	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

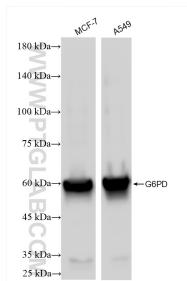
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 4006900926      E: Proteintech-CN@ptglab.com

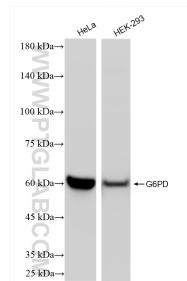
W: ptgcn.com

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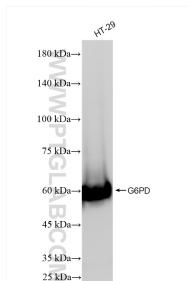
## Selected Validation Data



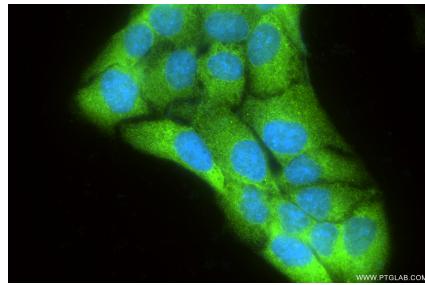
Various lysates were subjected to SDS PAGE followed by western blot with 86240-1-RR (G6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



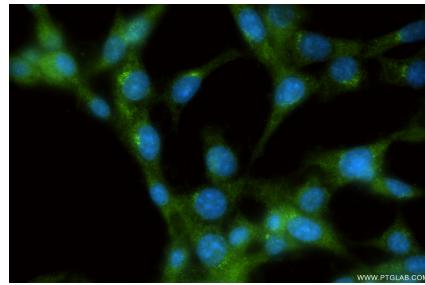
Various lysates were subjected to SDS PAGE followed by western blot with 86240-1-RR (G6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



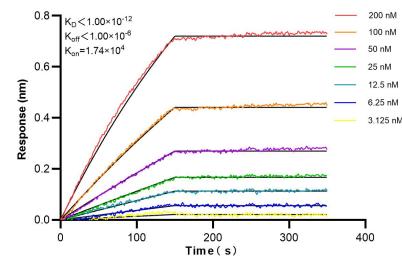
HT-29 cells were subjected to SDS PAGE followed by western blot with 86240-1-RR (G6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.