

For Research Use Only

# G6PD Recombinant antibody

Catalog Number: 86240-2-RR



## Basic Information

Catalog Number:	86240-2-RR	GenBank Accession Number:	BC000337	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by 2539	GenID (NCBI):		CloneNo.:	250831F2
Nanodrop:		UNIPROT ID:		Recommended Dilutions:	WB: 1:5000-1:50000
Source:	Rabbit	P11413			
Isotype:	IgG	Full Name:	glucose-6-phosphate dehydrogenase		
Immunogen Catalog Number:	AG21862	Calculated MW:	59 kDa		
		Observed MW:	60 kDa		

## Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB: HeLa cells, MCF-7 cells, HEK-293 cells, A549 cells, HT-29 cells, NIH-3T3 cells, rat spleen tissue
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

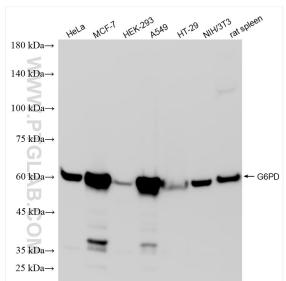
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

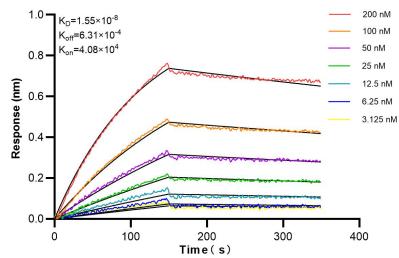
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 86240-2-RR (G6PD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86240-2-RR against Human G6PD were performed. The affinity constant is 15.5 nM.