

For Research Use Only

G6PD Recombinant antibody

Catalog Number: 86240-2-RR



Basic Information

Catalog Number:

86240-2-RR

Size:

100ul , Concentration: 1000 µg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21862

GenBank Accession Number:

BC000337

GeneID (NCBI):

2539

UNIPROT ID:

P11413

Full Name:

glucose-6-phosphate dehydrogenase

Calculated MW:

59 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

250831F2

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, MCF-7 cells, HEK-293 cells, A549 cells,
HT-29 cells, NIH-3T3 cells, rat spleen tissue

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

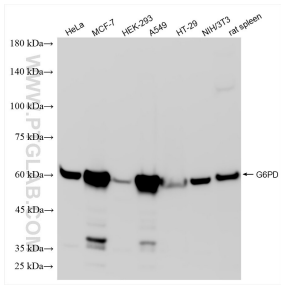
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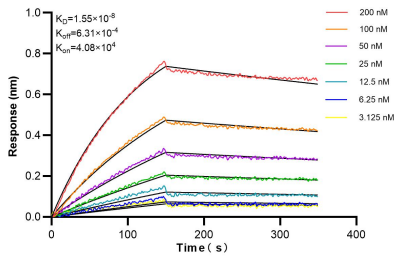
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Selected Validation Data



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.