

For Research Use Only

# G6PC Polyclonal antibody

Catalog Number: 29084-1-AP



## Basic Information

Catalog Number:

29084-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30614

GenBank Accession Number:

BC130478

GeneID (NCBI):

2538

UNIPROT ID:

P35575

Full Name:

glucose-6-phosphatase, catalytic subunit

Calculated MW:

357 aa, 40 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells, L02 cells

## Background Information

Glucose-6-phosphatase- $\alpha$  (G6PC) is a key enzyme in glucose homeostasis that catalyzes the hydrolysis of glucose-6-phosphate to glucose and phosphate in the terminal step of gluconeogenesis and glycogenolysis. G6PC activity is restricted to the liver, the kidney cortex and the small intestine and confers on these three organs the capacity to release glucose into the systemic circulation (PMID: 21983240). The encoded enzyme is anchored to the ER by nine transmembrane helices with the amino (N)-terminus in the lumen and the carboxyl (C)-terminus in the cytoplasm (PMID: 15542400).

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

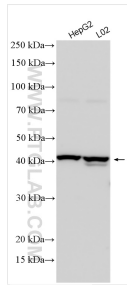
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29084-1-AP (G6PC antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.