

For Research Use Only

# FPGS Polyclonal antibody

Catalog Number: 27616-1-AP



## Basic Information

### Catalog Number:

27616-1-AP

### Size:

150ul , Concentration: 550 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24775

### GenBank Accession Number:

BC064393

### GeneID (NCBI):

2356

### UNIPROT ID:

Q05932

### Full Name:

folylpolyglutamate synthase

### Calculated MW:

65 kDa

### Observed MW:

65 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HeLa mitochondrial extract,

## Background Information

FPGS is located in the cytosol and mitochondria of mammalian tissues, with current evidence supporting a single gene encoding for both the cytosolic and mitochondrial isoenzymes. FPGS catalyzes a rate-limiting polyglutamylation step in the folic acid metabolic pathway and increases the intracellular retention of folates (PMID: 8907263, PMID: 31611592). FPGS has 4 isoforms with the molecular mass of 59-65 kDa.

## 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

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

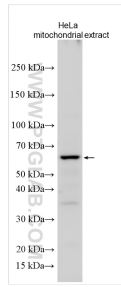
For technical support and original validation data for this product please contact:

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## Selected Validation Data



HeLa mitochondrial extracts were subjected to SDS PAGE followed by western blot with 27616-1-AP (FPGS antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.