

For Research Use Only

FPGS Polyclonal antibody, PBS Only

Catalog Number: 27616-1-PBS



Basic Information

Catalog Number:

27616-1-PBS

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:

60-65 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

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 polyglutamylolation 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

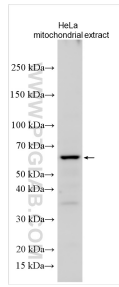
T: 4006900926

E: Proteintech-CN@ptglab.com

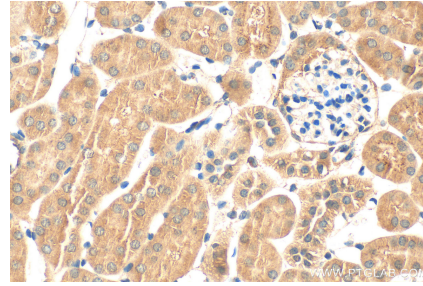
W: ptgcn.com

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Selected Validation Data



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. This data was developed using the same antibody clone with 27616-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 27616-1-AP (FPGS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27616-1-PBS in a different storage buffer formulation.