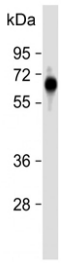
FPGS Antibody / Folylpolyglutamate synthase (F54904)

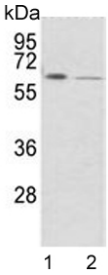
Catalog No.	Formulation	Size
F54904-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54904-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

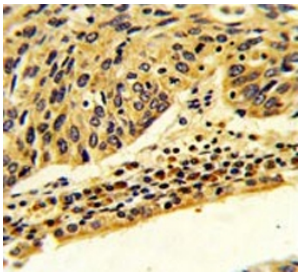
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q05932
Localization	Cytoplasmic
Applications	Flow cytometry: 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE): 1:50-1:100 Western blot: 1:500-1:1000
Limitations	This FPGS antibody is available for research use only.



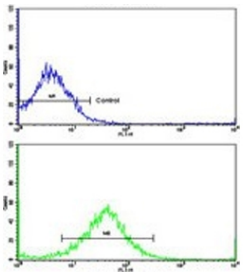
Western blot testing of human placental tissue with FPGS antibody. Predicted molecular weight ~65 kDa.



Western blot testing of human 1) K562 and 2) A2058 cell lysate with FPGS antibody. Predicted molecular weight ~65 kDa.



IHC testing of FFPE human lung carcinoma tissue with FPGS antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human K562 cells with FPGS antibody; Blue=isotype control, Green= FPGS antibody.

Description

FPGS is the folylpolyglutamate synthetase enzyme. This enzyme has a central role in establishing and maintaining both cytosolic and mitochondrial folylpolyglutamate concentrations and, therefore, is essential for folate homeostasis and the survival of proliferating cells. This enzyme catalyzes the ATP-dependent addition of glutamate moieties to folate and folate derivatives.

Application Notes

The stated application concentrations are suggested starting points. Titration of the FPGS antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 304-330 from the human protein was used as the immunogen for the FPGS antibody.

Storage

Aliquot the FPGS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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