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FPGS Rabbit mAb

Catalog # AP75454

Product Information

Application	WB, FC
Primary Accession	Q05932
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	64609

Additional Information

Gene ID	2356
Other Names	FPGS
Dilution	WB~~1:1000-1:5000 FC~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

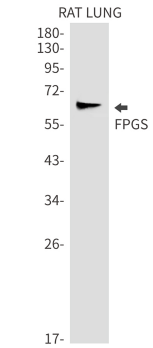
Name	FPGS
Function	Catalyzes conversion of folates to polyglutamate derivatives allowing concentration of folate compounds in the cell and the intracellular retention of these cofactors, which are important substrates for most of the folate-dependent enzymes that are involved in one-carbon transfer reactions involved in purine, pyrimidine and amino acid synthesis. Unsubstituted reduced folates are the preferred substrates. Metabolizes methotrexate (MTX) to polyglutamates.
Cellular Location	[Isoform 1]: Mitochondrion inner membrane. Mitochondrion matrix

Background

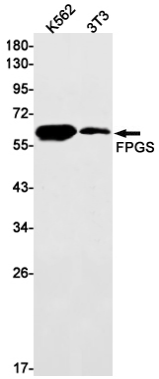
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Images



Western blot analysis of FPGS in rat lung lysates using FPGS antibody.



Western blot analysis of FPGS in K562, 3T3 lysates using FPGS antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.