
Product Name: FPGS Rabbit Monoclonal Antibody**Catalog #: AMRe02001**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.64mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	Calculated MW: 65 kDa; Observed MW: 65 kDa

Antigen Information

Gene Name	FPGS
Alternative Names	FPGS; Tetrahydrofolate synthase
Gene ID	2356
SwissProt ID	Q05932
Immunogen	A synthetic peptide of human FPGS

Background

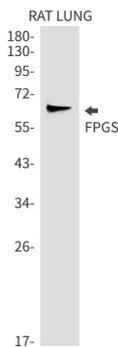
Catalyzes conversion of folates to polyglutamate derivatives allowing concentration of folate compounds in the cell and the intracellular retention of these cofactors, which are important substrates for most of the folate-dependent enzymes that are

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.

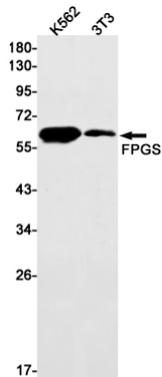
Research Area

Signal Transduction

Image Data



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



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