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Anti-FPGS Rabbit Monoclonal Antibody

Catalog # ABO16454

Product Information

Application	WB
Primary Accession	Q05932
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-FPGS Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

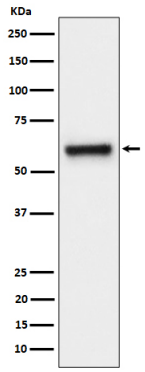
Gene ID	2356
Other Names	Folylpolyglutamate synthase, mitochondrial, 6.3.2.17, Folylpoly-gamma-glutamate synthetase, FPGS, Tetrahydrofolylpolyglutamate synthase, Tetrahydrofolate synthase, FPGS
Calculated MW	64609
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 29F90
Immunogen	A synthesized peptide derived from human FPGS
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated 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

Images



Western blot analysis of FPGS expression in HeLa cell lysate.

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