

Rabbit Folylpolyglutamate Synthase Polyclonal Antibody | anti-FPGS antibody

Folylpolyglutamate Synthase, Mitochondrial (FPGS) Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA145054	Rabbit	Mouse, Human, Rat	ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Folylpolyglutamate Synthase; Polyclonal Antibody; Mitochondrial (FPGS) Polyclonal Antibody; Folylpoly-gamma-glutamate synthetase; Tetrahydrofolylpolyglutamate synthase; Tetrahydrofolate synthase; anti-FPGS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human, Rat
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against FPGS. It has been selected for its ability to recognize FPGS in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4 containing 0.02% NaN ₃ , 50% glycerol.
Concentration	500ug/mL (varies by lot)
Sequence Length	444
Applicable Applications for anti-FPGS antibody	ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Immunoglobulin Type	IgG
Conjugate	No Conjugate
Cross Reactivity	Human, Mouse
Organism Species	Mouse
Fragment	FPGS (Thr210~Cys439)
Quality Control	Content: The quality control contains recombinant FPGS (Thr210~Cys439) disposed in loading buffer. Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate. 5uL per well when used in enhanced chemilumescient (ECL). Note: The quality control is specifically manufactured as the positive control. Not used for other purposes. Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN ₃ 0.02%.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
DAB staining on IHC-P; Samples: Mouse Skeletal muscle Tissue



IHC (Immunohistochemisry)
DAB staining on fromalin fixed paraffin- embedded kidney tissue



WB (Western Blot)
Western Blot: Sample: Recombinant protein.



WB (Western Blot)
Western Blot: Sample: Human Hela cell lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse FPGS Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	172088163
NCBI GeneID	14287
NCBI Accession #	NP_034366.2
NCBI GenBank Nucleotide #	NM_010236.2
UniProt Accession #	P48760; Q3U0B4; Q99K38; A2AK69
Molecular Weight	62,190 Da
NCBI Official Full Name	folylpolyglutamate synthase, mitochondrial
NCBI Official Synonym Full Names	folylpolyglutamyl synthetase
NCBI Official Symbol	Fpgs
NCBI Official Synonym Symbols	AA408187
NCBI Protein Information	folylpolyglutamate synthase, mitochondrial
UniProt Protein Name	Folylpolyglutamate synthase, mitochondrial
UniProt Gene Name	Fpgs
UniProt Synonym Gene Names	FPGS; Tetrahydrofolate synthase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.