SYEP Monoclonal Antibody

Catalog No	YP-mAb-07801
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	EPRS GLNS PARS QARS QPRS PIG32
Protein Name	Bifunctional glutamate/proline--tRNA ligase (Bifunctional aminoacyl-tRNA synthetase) (Cell proliferation-inducing gene 32 protein) [Includes: Glutamate--tRNA ligase (EC 6.1.1.17) (Glutamyl-tRNA synthe
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SYEP Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	166kD
Cell Pathway	Cytoplasm, cytosol . Membrane ; Peripheral membrane protein . Translocates from cytosol to membranes upon phosphorylation at Ser-999. .
Tissue Specificity	Bone marrow,Brain,Cervix carcinoma,Duodenum,Epithelium,Eye,Lung,Placenta,
Function	catalytic activity:ATP + L-glutamate + tRNA(Glu) = AMP + diphosphate + L-glutamyl-tRNA(Glu).,catalytic activity:ATP + L-proline + tRNA(Pro) = AMP + diphosphate + L-prolyl-tRNA(Pro).,caution:Was originally thought to be a glutaminyl-tRNA synthetase.,domain:The WHEP-TRS domain is involved in RNA binding.,function:Catalyzes the attachment of the cognate amino acid to the corresponding tRNA in a two-step reaction: the amino acid is first activated by ATP to form a covalent intermediate with AMP and is then transferred to the acceptor end of the cognate tRNA.,sequence caution:Contaminating sequence. Potential poly-A sequence.,sequence caution:Sequencing errors.,similarity:Belongs to the class-I aminoacyl-tRNA synthetase family.,similarity:Contains 3 WHEP-TRS domains.,similarity:In the C-terminal section; belongs to the class-II aminoacyl-tRNA synthetase family.,similarity:In the N-terminal se

Background	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a multifunctional aminoacyl-tRNA synthetase that catalyzes the aminoacylation of glutamic acid and proline tRNA species. Alternative splicing has been observed for this gene, but the full-length nature and biological validity of the variant have not been determined. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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