



SYEP Polyclonal Antibody

Catalog No	YP-Ab-07801
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	EPRS GLNS PARS QARS QPRS PIG32
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SYEP Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SYEP;EPRS GLNS PARS QARS QPRS PIG32;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
Observed Band	166kD
Calculated Molecular Weight	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.

Products Images