



# SYEP Polyclonal Antibody

<b>Catalog No</b>	BYab-07801
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	EPRS GLNS PARS QARS QPRS PIG32
<b>Protein Name</b>	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
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	SYEP Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	166kD
<b>Cell Pathway</b>	Cytoplasm, cytosol . Membrane ; Peripheral membrane protein . Translocates from cytosol to membranes upon phosphorylation at Ser-999. .
<b>Tissue Specificity</b>	Bone marrow,Brain,Cervix carcinoma,Duodenum,Epithelium,Eye,Lung,Placenta,
<b>Function</b>	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

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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**