

## SYEP Rabbit pAb

CatalogNo: YN2956

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, ELISA

#### MW

- 166kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

Synthesized peptide derived from part region of human protein

#### Specificity

SYEP Polyclonal Antibody detects endogenous levels of protein.

### Target Information

#### Gene name

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 (Glutamyl-tRNA synthetase) (GluRS); Proline--tRNA ligase (Prolyl-tRNA synthetase)]		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">2058;</a>	<a href="#">P07814;</a>
	Mouse		<a href="#">Q8CGC7;</a>
<b>Cellular Localization</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 glutamyl-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 section; belongs to the class-I aminoacyl-tRNA synthetase family.,subunit:Component of the multisynthetase complex which is comprised of a bifunctional glutamyl-prolyl-tRNA synthetase, the monospecific isoleucyl, leucyl, glutamyl, methionyl, lysyl, arginyl, and aspartyl-tRNA synthetases as well as three auxiliary proteins, p18, p48 and p43. Interacts with DUS2L.,		

## Validation Data

## Contact information

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