

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

Protein Name	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)]		
	Organism	Gene ID	UniProt ID
	Human	2058;	P07814;
	Mouse		Q8CGC7;
Cellular Localization	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 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

Orders:
Support:
Telephone:
Website:
Address:

order@immunoway.com
tech@immunoway.com
877-594-3616 (Toll Free), 408-747-0185
http://www.immunoway.com
2200 Ringwood Ave San Jose, CA 95131 USA



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