

bs-13393R**[Primary Antibody]****BioSS**
ANTIBODIES

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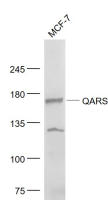
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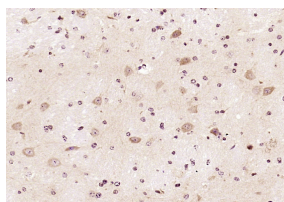
400-901-9800

**QARS/Glutamyl Prolyl tRNA synthetase/ProRS
Rabbit pAb****— DATASHEET —**

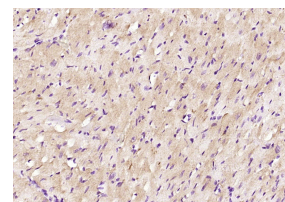
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 5859	SWISS: P47897	IHC-F (1:100-500)
Target: QARS/Glutamyl Prolyl tRNA synthetase/ProRS		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human ProRS: 651-750/1512.		Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 171 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cytoplasm
Background: The fidelity of protein synthesis requires efficient discrimination of amino acid substrates by aminoacyl-tRNA synthetases. Aminoacyl-tRNA synthetases function to catalyze the aminoacylation of tRNAs by their corresponding amino acids, thus linking amino acids with tRNA-contained nucleotide triplets. ProRS (Prolyl-tRNA synthetase), also known as EPRS, EARS, PARS, QARS, QPRS, PIG32 or GLUPRORS, is a 1,512 amino acid protein that contains three WHEP-TRS domains and belongs to both the class-I and class-II aminoacyl-tRNA synthetase family. Functioning as a component of the multisynthase complex, ProRS uses ATP to catalyze the conversion of L-glutamate and tRNA(Glu) to L-glutamyl-tRNA(Glu), as well as the conversion of L-proline and tRNA(Pro) to L-prolyl-tRNA(Pro).		

— VALIDATION IMAGES —

Sample: MCF-7(Human) Cell Lysate at 30 ug
 Primary: Anti- QARS (bs-13393R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 171 kD Observed band size: 171 kD



Paraformaldehyde-fixed, paraffin embedded
 (mouse brain); Antigen retrieval by boiling in
 sodium citrate buffer (pH6.0) for 15min; Block
 endogenous peroxidase by 3% hydrogen
 peroxide for 20 minutes; Blocking buffer (normal
 goat serum) at 37°C for 30min; Antibody
 incubation with (QARS Glutamyl Prolyl tRNA
 synthetase) Polyclonal Antibody, Unconjugated
 (bs-13393R) at 1:200 overnight at 4°C, followed
 by operating according to SP Kit(Rabbit)
 (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat
 heart); Antigen retrieval by boiling in sodium
 citrate buffer (pH6.0) for 15min; Block
 endogenous peroxidase by 3% hydrogen
 peroxide for 20 minutes; Blocking buffer (normal
 goat serum) at 37°C for 30min; Antibody
 incubation with (QARS Glutamyl Prolyl tRNA
 synthetase) Polyclonal Antibody, Unconjugated
 (bs-13393R) at 1:200 overnight at 4°C, followed
 by operating according to SP Kit(Rabbit)
 (sp-0023) instructions and DAB staining.