

For Research Use Only

QARS Recombinant monoclonal antibody, PBS Only

Catalog Number: 86333-3-PBS



Basic Information

Catalog Number: 86333-3-PBS	GenBank Accession Number: BC016634	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5859	CloneNo.: 251052A2
Isotype: IgG	UNIPROT ID: P47897	
Immunogen Catalog Number: AG3375	Full Name: glutaminyl-tRNA synthetase	
	Calculated MW: 775 aa, 88 kDa	
	Observed MW: 88 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

GlnRS (glutaminyl-tRNA synthetase) is a class I aminoacyl-tRNA synthetase. Aminoacyl-tRNA synthetases are enzymes that charge tRNAs with their cognate amino acids. The specificity of this reaction determines the fidelity of mRNA translation. At least 1 synthetase exists in the cytoplasm for each amino acid. GlnRS is present in eukaryotes but is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln) (PMID:8078941).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

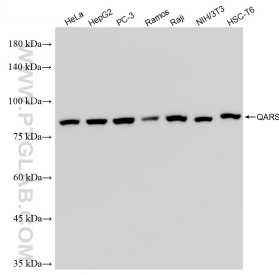
T: 4006900926

E: Proteintech-CN@ptglab.com

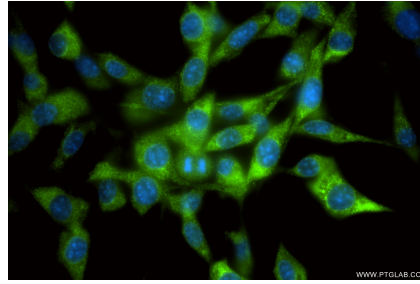
W: ptgcn.com

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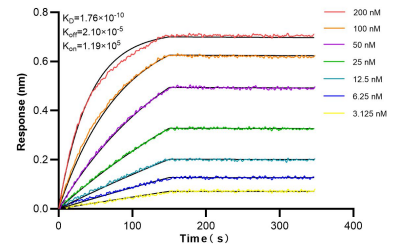
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86333-3-RR (QARS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86333-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using QARS antibody (86333-3-RR, Clone: 251052A2) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86333-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86333-3-RR against Human QARS were performed. The affinity constant is 0.176 nM.