For Research Use Only

CoraLite® Plus 488-conjugated QARS Recombinant monoclonal antibody

Catalog Number:CL488-86333-3

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-86333-3

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3375

GenBank Accession Number:
BC016634

GeneID (NCBI):
5859

UNIPROT ID:
P47897

Full Name:
glutaminyl-tRNA synthetase

Calculated MW:
775 aa, 88 kDa

Observed MW:
88 kDa

Purification Method:
Protein A purification

CloneNo.:
251052A2

Recommended Dilutions:
IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : PC-3 cells,

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).

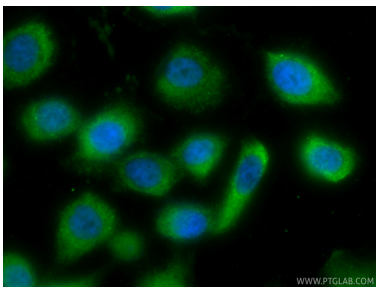
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using CoraLite® Plus 488 QARS antibody (CL488-86333-3, Clone: 251052A2) at dilution of 1:200.