

For Research Use Only

# CoraLite® Plus 488-conjugated IARS2 Recombinant monoclonal antibody

Catalog Number: CL488-84764-5



## Basic Information

### Catalog Number:

CL488-84764-5

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10696

### GenBank Accession Number:

BC010218

### GeneID (NCBI):

55699

### UNIPROT ID:

Q9NSE4

### Full Name:

isoleucyl-tRNA synthetase 2,  
mitochondrial

### Calculated MW:

1012 aa, 114 kDa

### Observed MW:

114 kDa

### Purification Method:

Protein A purification

### CloneNo.:

242219G4

### Recommended Dilutions:

IF/ICC: 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF/ICC

### Species Specificity:

human

### Positive Controls:

IF/ICC : HepG2 cells, HeLa cells

## Background Information

Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of isoleucine-tRNA synthetase exist, a cytoplasmic form and a mitochondrial form. This gene encodes the mitochondrial isoleucine-tRNA synthetase which belongs to the class-I aminoacyl-tRNA synthetase family.

## 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

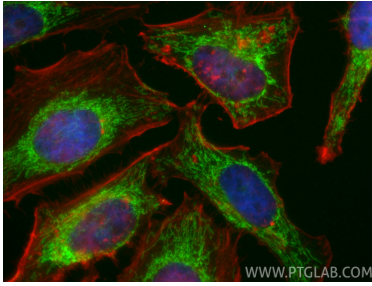
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

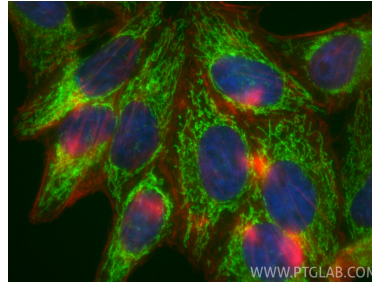
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 (4% PFA) fixed HeLa cells using CoralLite® Plus 488 IARS2 antibody (CL488-84764-5, Clone: 242219G4 ) at dilution of 1:200, CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoralLite® Plus 488 IARS2 antibody (CL488-84764-5, Clone: 242219G4 ) at dilution of 1:200, CL594-phalloidin (red).