

For Research Use Only

CoraLite® Plus 488-conjugated IARS2 Recombinant monoclonal antibody

Catalog Number: CL488-84764-5



Basic Information

Catalog Number:

CL488-84764-5

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:

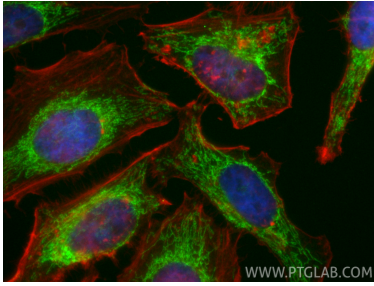
T: 4006900926

E: Proteintech-CN@ptglab.com

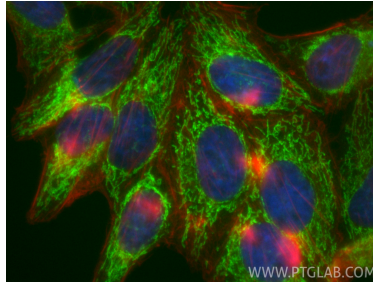
W: ptgcn.com

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Selected Validation Data



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