For Research Use Only

CoraLite® Plus 488-conjugated CLUH Recombinant antibody

Catalog Number:CL488-84321-4

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL488-84321-4

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34275

GenBank Accession Number:
BC156940

GeneID (NCBI):
23277

UNIPROT ID:
O75153

Full Name:
KIAA0664

Purification Method:
Protein A purification

CloneNo.:
241640C11

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 : HeLa cells,

Background Information

Clustered mitochondria homolog (CLUH) is a conserved RNA-binding protein, that binds transcripts encoding proteins involved in the respiratory chain, the tricarboxylic acid (TCA) cycle, and other mitochondrial metabolic pathways. Upon loss of CLUH, target mRNAs are subjected to faster decay, and their respective proteins are decreased in abundance. This leads to alterations in mitochondrial distribution (mitochondrial clustering as the gene name alludes to) mitochondrial cristae integrity, respiratory defects, loss of mtDNA, and decreased activity of TCA cycle enzymes. (PMID: 35559794)

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
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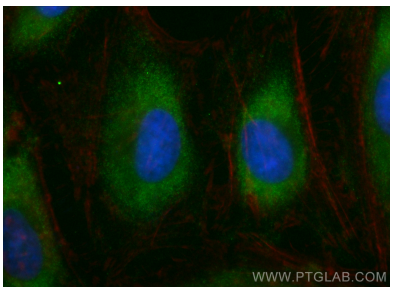
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 CLUH antibody (CL488-84321-4, Clone: 241640C11) at dilution of 1:200, CL594-Phalloidin (red).