

For Research Use Only

CoraLite® Plus 488-conjugated CHCHD2 Polyclonal antibody



Catalog Number: CL488-19424

Featured Product

Basic Information

Catalog Number:

CL488-19424

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13752

GenBank Accession Number:

BC003079

GeneID (NCBI):

51142

UNIPROT ID:

Q9Y6H1

Full Name:

coiled-coil-helix-coiled-coil-helix
domain containing 2

Calculated MW:

151 aa, 16 kDa

Observed MW:

16-18 kDa

Purification Method:

Antigen affinity purification

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

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

CHCHD2 is a widely expressed 16.7-kDa mitochondrion-localized protein. CHCHD2 contains a C-terminal CHCH (coiled-coil helix coiled-coil helix) domain. Mutations in CHCHD2 gene have been reported in autosomal dominant Parkinson's disease (ADPD). CHCHD2 is a bi-organellar mediator of oxidative phosphorylation, playing crucial roles in regulating electron flow in the mitochondrial electron transport chain and acting as a nuclear transcription factor for a cytochrome c oxidase subunit (COX4I2) and itself in response to hypoxic stress. CHCHD2 also regulates cell migration and differentiation, mitochondrial cristae structure, and apoptosis (PMID: 33967741).

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

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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 HepG2 cells using CoraLite® Plus 488 CHCHD2 antibody (CL488-19424) at dilution of 1:200.