For Research Use Only

CoraLite® Plus 488-conjugated CHCHD2 Polyclonal antibody



Catalog Number: CL488-19424

Featured Product

Basic Information

Catalog Number: CL488-19424

1000 µg/ml Source: Rabbit Isotype:

Immunogen Catalog Number:

AG13752

Applications

Tested Applications:

Species Specificity:

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

Antigen affinity purification Recommended Dilutions: IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Purification Method:

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).

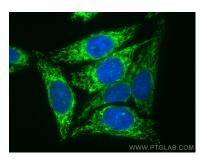
Storage

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 CHCHD2 antibody (CL488-19424) at dilution of 1:200.