**Basic Information**

- **Catalog Number:** 19424-1-AP
- **Size:** 150μl, Concentration: 550μg/ml by Nanodrop
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG13752
- **GenBank Accession Number:** BC003079
- **GeneID (NCBI):** 51142
- **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:**
  - WB: 1:500-1:2000
  - IP: 0.5-4.0 ug for IP and 1:500-1:2000 for WB
  - IHC: 1:50-1:500
  - IF: 1:200-1:800

**Applications**

- **Tested Applications:** IF, IHC, IP, WB, ELISA
- **Cited Applications:** CoIP, IF, IHC, WB
- **Species Specificity:** human, mouse
- **Cited Species:** human, mouse, Drosophila

**Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**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. The function of the CHCH domain is not well understood, and the few characterized proteins that harbor this domain have diverse functions. Mutations in CHCHD2 gene have been reported in autosomal dominant Parkinson's disease (ADPD).

**Notable Publications**

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<th>Author</th>
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<tr>
<td>Alec S T Smith</td>
<td>34660586</td>
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<td>Maxime Feyeux</td>
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<td>Da-Yuan Chen</td>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

*** 20ul sizes contain 0.1% BSA

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For technical support and original validation data for this product please contact:
- T: 1 (888) 4PTGLAB (toll free in USA), or 1(312) 455-8498 (outside USA)
- E: proteintech@ptglab.com
- W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 19424-1-AP (CHCHD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

WB result of CHCHD2 antibody (19424-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CHCHD2 transfected HEK-293 cells.

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CHCHD2 antibody (19424-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), C1504- Phalloidine (red).


Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CHCHD2 antibody (19424-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).