CHCHD2
Polyclonal ANTIBODY
Catalog Number: 19424-1-AP

Basic Information
Catalog Number: 19424-1-AP
Size: 43 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG13752
GenBank Accession Number: BC003079
GeneID (NCBI): 51142
Full Name: coiled-coil-helix-coiled-helix domain containing 2
Calculated MW: 151aa, 16 kDa
Observed MW: 16-18 kDa

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 μg for IP and 1:1000-1:1000 for WB
IHC 1:100-1:300
IF 1:50-1:500

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

Species Specificity:
human, mouse
Cited Species:
Drosophila, human

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

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

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maxime Feyeux</td>
<td>22678061</td>
<td>Hum Mol Genet</td>
<td>WB</td>
</tr>
<tr>
<td>Siddhesh Aras</td>
<td>2619562</td>
<td>Mitochondrion</td>
<td>WB</td>
</tr>
<tr>
<td>Siddhesh Aras</td>
<td>27913209</td>
<td>Biochim Biophys Acta</td>
<td>WB</td>
</tr>
</tbody>
</table>

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

HepG2 cells were subjected to SDS PAGE followed by western blot with 19424-1-AP (CHCHD2 Antibody) at dilution of 1:600 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 (70% Ethanol) fixed HepG2 cells using 19424-1-AP (CHCHD2 antibody) at dilution of 1:50 and Alexa Fluor 488 conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Immunohistochemistry of paraffin-embedded mouse brain tissue slide using 19424-1-AP (CHCHD2 Antibody) at dilution of 1:200 (under 10x lens).

Immunohistochemistry of paraffin-embedded mouse brain tissue slide using 19424-1-AP (CHCHD2 Antibody) at dilution of 1:200 (under 40x lens).
