CHCHD10
Polyclonal ANTIBODY

Catalog Number: 25671-1-AP

Basic Information

Catalog Number: 25671-1-AP
Size: 45 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG22598

GenBank Accession Number: BC065232
GeneID (NCBI): 400916
Full Name: coiled-coil-helix-coiled-coil-helix domain containing 10
Calculated MW: 14 kDa
Observed MW: 14 kDa

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

Applications

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

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

CHCHD10 is a mitochondrial protein that is enriched at cristae junctions in the intermembrane space and is likely involved in mitochondrial genome stability and maintenance of cristae junctions. Mutations in CHCHD10 have recently been described as a cause of frontotemporal dementia (FTD) comorbid with amyotrophic lateral sclerosis (ALS).

Background Information

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
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<tbody>
<tr>
<td>Wei Zhou</td>
<td>30496485</td>
<td>Hum Mol Genet</td>
<td>WB, IF</td>
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<tr>
<td>Jung-A A Woo</td>
<td>26985542</td>
<td>Nat Commun</td>
<td>WB, IF</td>
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<tr>
<td>Yatao Xiao</td>
<td>31261376</td>
<td>Hum Mol Genet</td>
<td>WB, IF</td>
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Storage

Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
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@ptgiblab.com
W: ptgiblab.com

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mouse heart tissue were subjected to SDS PAGE followed by western blot with 25671-1-AP (CHCHD10 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 25671-1-AP (CHCHD10 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25671-1-AP (CHCHD10 Antibody) at dilution of 1:200 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25671-1-AP (CHCHD10 Antibody) at dilution of 1:200 (under 40x lens).

IP Result of anti-CHCHD10 (IP:25671-1-AP, 4ug; Detection:25671-1-AP 1:600) with mouse heart tissue lysate 4000ug.