

For Research Use Only

CHCHD2 Recombinant antibody

Catalog Number: 82702-1-RR



Basic Information

Catalog Number: 82702-1-RR	GenBank Accession Number: BC003079	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 51142	CloneNo.: 4A12
Source: Rabbit	Full Name: coiled-coil-helix-coiled-coil-helix domain containing 2	Recommended Dilutions: WB 1:2000-1:10000 IF 1:250-1:1000
Isotype: IgG	Calculated MW: 151 aa, 16 kDa	
Immunogen Catalog Number: AG13752	Observed MW: 16 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: Human, rat	WB : HEK-293 cells, LNCaP cells, Jurkat cells, K-562 cells, HSC-T6 cells IF : 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 (COX4L2) 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. 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

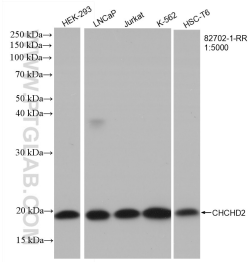
For technical support and original validation data for this product please contact:

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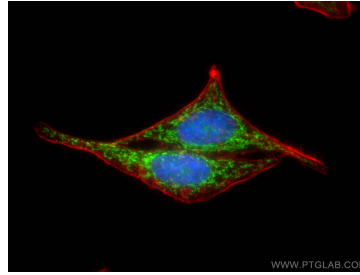
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82702-1-RR (CHCHD2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CHCHD2 antibody (82702-1-RR, Clone: 4A12) at dilution of 1:500 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).