For Research Use Only

CHCHD2 Polyclonal antibody

Catalog Number:19424-1-AP

Featured Product 40 Publications

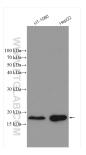


Basic Information	Catalog Number: 19424-1-AP	GenBank Accession N BC003079	umber:	Purification Method: Antigen affinity purification	
	Size:	GenelD (NCBI):		Recommended Dilutions:	
	150ul , Concentration: 550 ug/ml by	51142		WB 1:500-1:2000	
	Nanodrop;	UNIPROT ID:		IP 0.5-4.0 ug for 1.0-3.0 mg of total	
	Source:	Q9Y6H1		protein lysate IHC 1:50-1:500	
	Rabbit	Full Name:		IF/ICC 1:200-1:800	
	Isotype: IgG	coiled-coil-helix-coiled-coil-helix domain containing 2			
	Immunogen Catalog Number: AG13752	Calculated MW: 151 aa, 16 kDa			
		Observed MW: 16-18 kDa			
Applications	Tested Applications:		Positive Controls:		
	WB, IHC, IF/ICC, IP, ELISA Cited Applications:	WB : HT-1080 gland tissue,) cells, HEK-293 cells, human adrenal HepG2 cells	
	WB, IHC, IF, CoIP		IP : HepG2 cel	ls,	
	Species Specificity:		IHC : human l	ung cancer tissue, mouse brain tissue	
	human, mouse		IF/ICC : HepG	2 cells,	
	Cited Species: human, mouse, drosophila				
	Note-IHC: suggested antigen	retrieval with			
	TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0 CHCHD2 is a widely expressed 16.7- (coiled-coil helix coiled-coil helix) of Parkinson's disease (ADPD). CHCHD2 in regulating electron flow in the mi	vely, antigen vith citrate kDa mitochondrion-loc lomain. Mutations in CH 2 is a bi-organellar med tochondrial electron tra COX4I2) and itself in re-	ICHD2 gene hav liator of oxidati nsport chain an sponse to hypo>	ve phosphorylation, playing crucial rol d acting as a nuclear transcription facto (ic stress. CHCHD2 also regulates cell	
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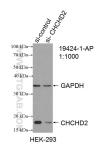
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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Selected Validation Data



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.



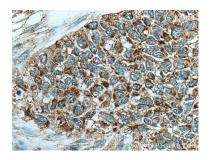
WB result of CHCHD2 antibody (19424-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CHCHD2 transfected HEK-293 cells.



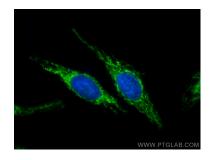
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CHCHD2 antibody (19424-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



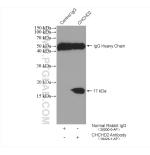
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 19424-1-AP (CHCHD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 19424-1-AP (CHCHD2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



IP result of anti-CHCHD2 (IP:19424-1-AP, 4ug; Detection:19424-1-AP 1:1000) with HepG2 cells lysate 2520 ug.