Product Datasheet

CHCHD2 Polyclonal Antibody

Catalog No: #29923

Package Size: #29923-1 50ul #29923-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CHCHD2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human CHCHD2 (NP_057223.1).
Other Names	CHCHD2;C7orf17;MNRR1;NS2TP;PARK22
Accession No.	Uniprot:Q9Y6H1GeneID:51142
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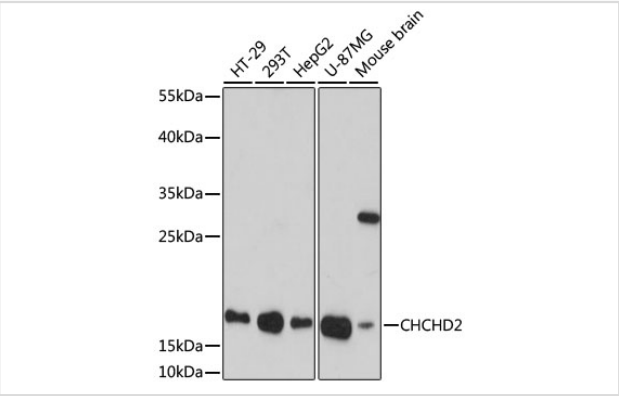
GeneID	51142
Calculated MW	16kDa
SDS-PAGE MW	16kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

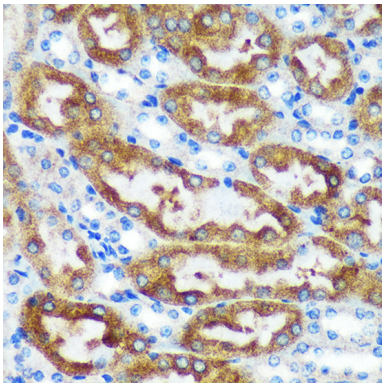
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

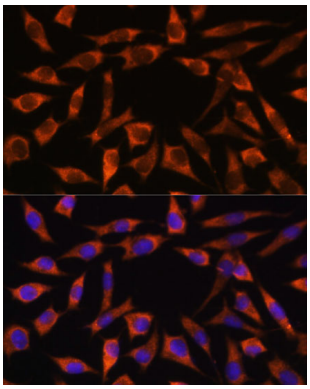
Images



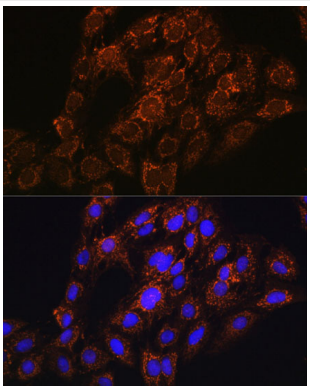
Western blot analysis of extracts of various cell lines, using CHCHD2 antibody.



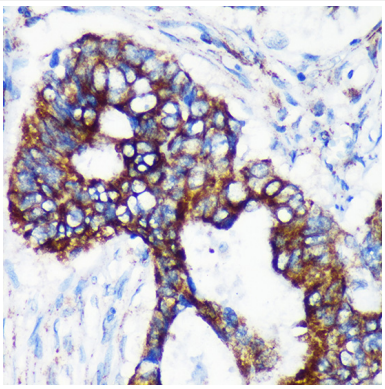
Immunohistochemistry of paraffin-embedded Mouse kidney using [KO Validated] CHCHD2 Rabbit pAb.



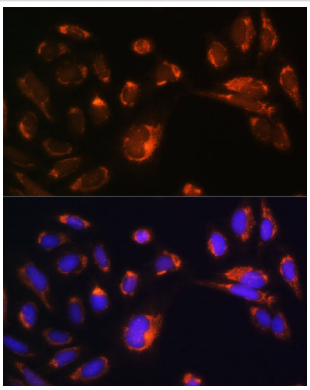
Immunofluorescence analysis of L929 cells using CHCHD2 antibody.



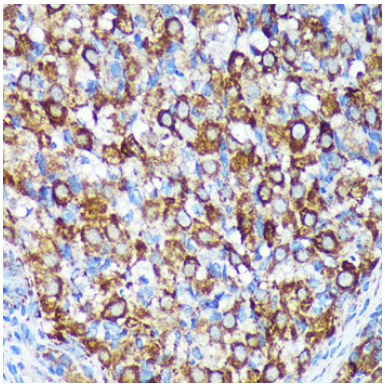
Immunofluorescence analysis of C6 cells using CHCHD2 antibody.



Immunohistochemistry of paraffin-embedded Human colon carcinoma using [KO Validated] CHCHD2 Rabbit pAb.



Immunofluorescence analysis of U-2 OS cells using CHCHD2 antibody.



Immunohistochemistry of paraffin-embedded Rat ovary using [KO Validated] CHCHD2 Rabbit pAb.

Background

The protein encoded by this gene belongs to a class of eukaryotic CX(9)C proteins characterized by four cysteine residues spaced ten amino acids apart from one another. These residues form disulfide linkages that define a CHCH fold. In response to stress, the protein translocates from the mitochondrial intermembrane space to the nucleus where it binds to a highly conserved 13 nucleotide oxygen responsive element in the promoter of cytochrome oxidase 4I2, a subunit of the terminal enzyme of the electron transport chain. In concert with recombination signal sequence-binding protein J, binding of this protein activates the oxygen responsive element at four percent oxygen. In addition, it has been shown that this protein is a negative regulator of mitochondria-mediated apoptosis. In response to apoptotic stimuli, mitochondrial levels of this protein decrease, allowing BCL2-associated X protein to oligomerize and activate the caspase cascade. Pseudogenes of this gene are found on multiple chromosomes. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only