

Rabbit CHCHD2 Polyclonal Antibody | anti-CHCHD2 antibody

[KO Validated] CHCHD2 Rabbit pAb

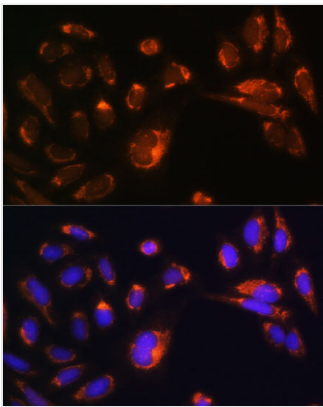
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28333	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

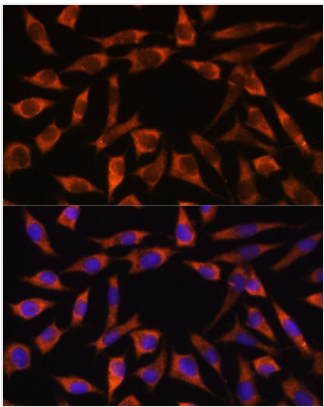
CHCHD2; Polyclonal Antibody; [KO Validated] CHCHD2 Rabbit pAb; C7orf17; MNRR1; NS2TP; PARK22; anti-CHCHD2 antibody

PRODUCT SPECIFICATIONS

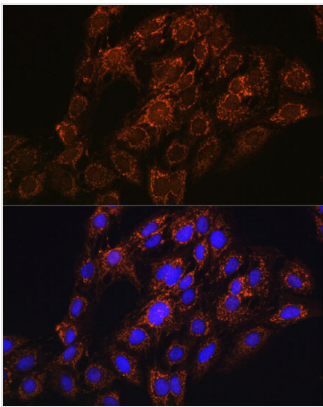
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	TLGHAITGGF SGGSNAEPAR PDITYQEPQG TQPAQQQQPC LYEIKQFLEC AQNQGDILKC EGFNEVLKQC R
Applicable Applications for anti-CHCHD2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 75-145 of human CHCHD2 (NP_057223.1).
Cellular Location	Nucleus
Positive Samples	HT-29, 293T, HepG2, U-87MG, mouse brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



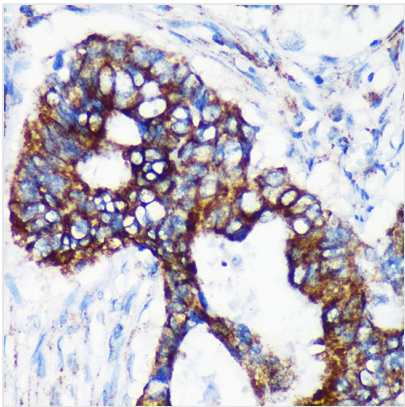
IF (Immunofluorescence)
Immunofluorescence analysis of U-2 OS cells using CHCHD2 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



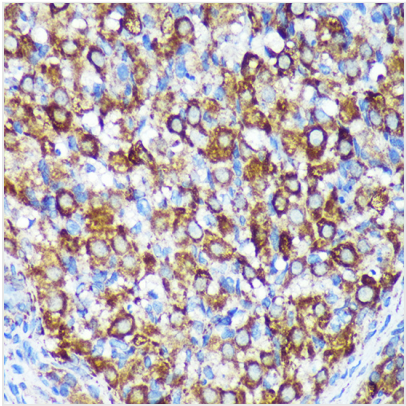
IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using CHCHD2 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



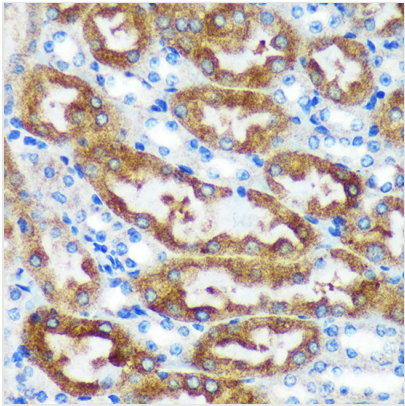
IF (Immunofluorescence)
Immunofluorescence analysis of C6 cells using CHCHD2 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human colon carcinoma using [KO Validated] CHCHD2 Rabbit pAb at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Rat ovary using [KO Validated] CHCHD2 Rabbit pAb at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Mouse kidney using [KO Validated] CHCHD2 Rabbit pAb at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-CHCHD2 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7705851
NCBI GeneID	51142
NCBI Accession #	NP_057223.1
NCBI GenBank Nucleotide #	NM_016139.2
UniProt Accession #	Q9Y6H1; Q498C3; Q6NZ50
Molecular Weight	15,513 Da
NCBI Official Full Name	coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial
NCBI Official Synonym Full Names	coiled-coil-helix-coiled-coil-helix domain containing 2
NCBI Official Symbol	CHCHD2
NCBI Official Synonym Symbols	C7orf17
NCBI Protein Information	coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial; NS2TP; 16.7kD protein; HCV NS2 trans-regulated protein; aging-associated gene 10 protein
UniProt Protein Name	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial
UniProt Gene Name	CHCHD2
UniProt Synonym Gene Names	C7orf17; NS2TP
UniProt Entry Name	CHCH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.