

HCCS Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9883c

Product Information

Application	IHC-P, WB, E
Primary Accession	P53701
Other Accession	Q5F339 , A5PJG7
Reactivity	Human
Predicted	Bovine, Chicken, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24043
Calculated MW	30602
Antigen Region	173-200

Additional Information

Gene ID	3052
Other Names	Cytochrome c-type heme lyase, CCHL, Holocytochrome c-type synthase, HCCS, CCHL
Target/Specificity	This HCCS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 173-200 amino acids from the Central region of human HCCS.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HCCS Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HCCS (HGNC:4837)
Synonyms	CCHL

Function Lyase that catalyzes the covalent linking of the heme group to the cytochrome C apoprotein to produce the mature functional cytochrome.

Cellular Location Mitochondrion inner membrane. Membrane; Lipid-anchor

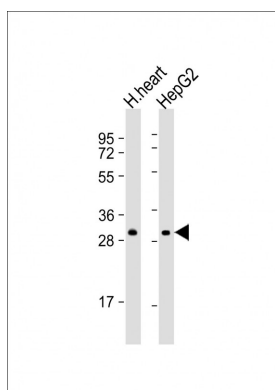
Background

The protein encoded by this gene is an enzyme that covalently links a heme group to the apoprotein of cytochrome c. Defects in this gene are a cause of microphthalmia syndromic type 7 (MCOPS7). Three transcript variants encoding the same protein have been found for this gene.

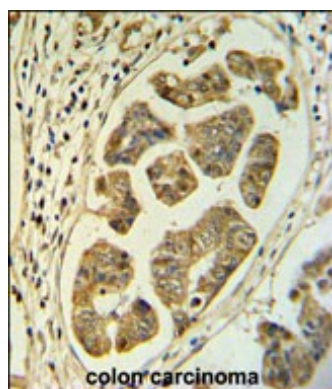
References

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Wimplinger, I., et al. Mol. Vis. 13, 1475-1482 (2007)
Wimplinger, I., et al. Am. J. Hum. Genet. 79(5):878-889(2006)
Nakashima-Kamimura, N., et al. J. Cell. Sci. 118 (PT 22), 5357-5367 (2005)
Prakash, S.K., et al. Hum. Mol. Genet. 11(25):3237-3248(2002)

Images



All lanes : Anti-HCCS Antibody (Center) at 1:4000 dilution
Lane 1: human heart lysate Lane 2: HepG2 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



HCCS Antibody (Center) (Cat. #AP9883c) IHC analysis in formalin fixed and paraffin embedded colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HCCS Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.