

For Research Use Only

# HCCS Polyclonal antibody

Catalog Number: 15118-1-AP

5 Publications



## Basic Information

### Catalog Number:

15118-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 693 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7189

### GenBank Accession Number:

BC001691

### GeneID (NCBI):

3052

### UNIPROT ID:

P53701

### Full Name:

holocytochrome c synthase (cytochrome c heme-lyase)

### Calculated MW:

31 kDa

### Observed MW:

31 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : human heart tissue, HeLa cells, MCF-7 cells

IP : MCF-7 cells,

IHC : human breast cancer tissue,

IF/ICC : HeLa cells,

## Background Information

HCCS(Cytochrome c-type heme lyase) links covalently the heme group to the apoprotein of cytochrome C. The covalent attachment of heme by CCHL in the IMS is crucial for translocation of the precursor of cytochrome c and its trapping in the IMS(PMID:15359280). This protein has a calculated molecular mass of about 31 KDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bin Feng	32999148	Chem Pharm Bull (Tokyo)	WB
Alexandre Janer	27390132	EMBO Mol Med	WB
Rachael McMinimy	39642856	Mol Cell	WB

## 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

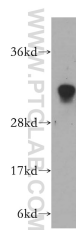
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

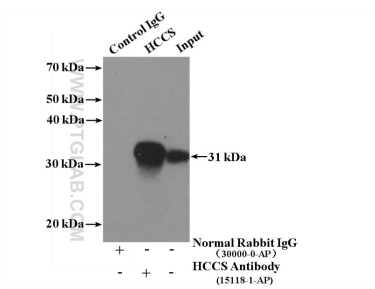
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

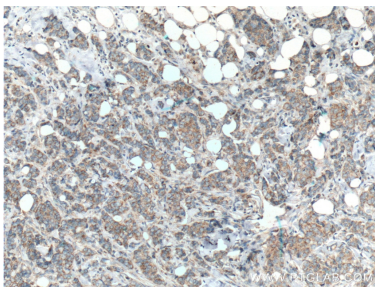
Selected Validation Data



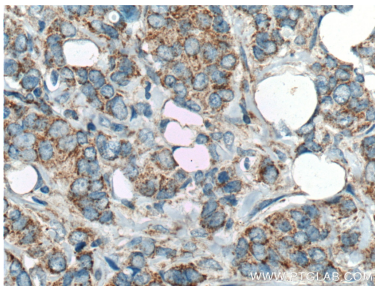
human heart tissue were subjected to SDS PAGE followed by western blot with 15118-1-AP (HCCS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



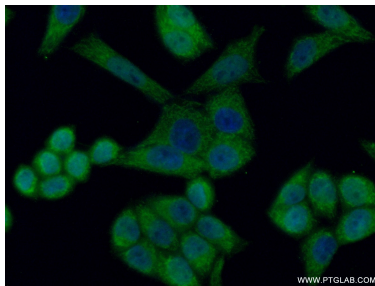
IP result of anti-HCCS (IP:15118-1-AP, 4ug; Detection:15118-1-AP 1:500) with MCF-7 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15118-1-AP (HCCS Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15118-1-AP (HCCS 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 HeLa cells using 15118-1-AP (HCCS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).