

For Research Use Only

# CABC1 Polyclonal antibody

Catalog Number: 15528-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 15528-1-AP	<b>GenBank Accession Number:</b> BC005171	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56997	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 72 kDa	
<b>Immunogen Catalog Number:</b> AG7612	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	<b>WB :</b> HeLa cells, human skeletal muscle tissue, human heart tissue, mouse heart tissue, U-251 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human, mouse	

## Background Information

CABC1 (Chaperone, ABC1 activity of bc1 complex homolog) is induced by the tumor suppressor p53 and is similar to the yeast ABC1, which is involved in an electron-transferring membrane protein complex in the respiratory chain. The CABC1 product was located in mitochondria, and may play an important role in mediating p53-inducible apoptosis. Four isoforms of CABC1 exist due to alternative splicing events.

## Notable Publications

Author	Pubmed ID	Journal	Application
Agustín Hidalgo-Gutiérrez	30482867	EMBO Mol Med	WB
Xu Lin	38198846	Drug Resist Updat	WB, IHC

## Storage

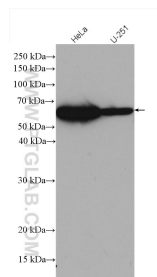
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

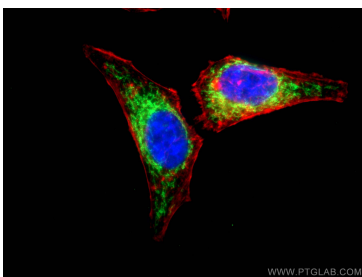
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

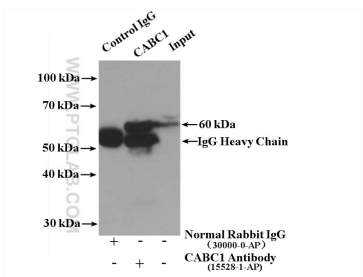
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15528-1-AP (CABC1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 15528-1-AP (CABC1 antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Red: CL555-phalloidin staining of F-actin.



IP result of anti-CABC1 (IP:15528-1-AP, 4ug; Detection:15528-1-AP 1:300) with mouse heart tissue lysate 3700 ug.