



## Rabbit Anti-CABC1 antibody

SL8071R

<b>Product Name:</b>	CABC1
<b>Chinese Name:</b>	伴侣蛋白bc1同源复合体抗体
<b>Alias:</b>	mitochondrial; aarF domain containing protein kinase 3; aarF domain-containing protein kinase 3; ADCK 3; ADCK3; ADCK3_HUMAN; CABC 1; Chaperone ABC1 (activity of bc1 complex S.pombe) like; Chaperone ABC1 activity of bc1 complex homolog; Chaperone ABC1 like; Chaperone activity of bc1 complex like; Chaperone activity of bc1 complex like mitochondrial; Chaperone activity of bc1 complex-like; Chaperone-ABC1-like; Coenzyme Q8 homolog; COQ 8; COQ8.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	72kDa
<b>Cellular localization:</b>	cytoplasmic <u>Mitochondrion</u>
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ADCK3/CABC1:501-647/647
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a mitochondrial protein similar to yeast ABC1, which functions in an electron-transferring membrane protein complex in the respiratory chain. It is not related

to the family of ABC transporter proteins. Expression of this gene is induced by the tumor suppressor p53 and in response to DNA damage, and inhibiting its expression partially suppresses p53-induced apoptosis. Alternatively spliced transcript variants have been found; however, their full-length nature has not been determined. [provided by RefSeq, Jul 2008]

**Function:**

May be a chaperone-like protein essential for the proper conformation and functioning of protein complexes in the respiratory chain.

**Subcellular Location:**

Mitochondrion.

**Tissue Specificity:**

Ubiquitously expressed with a relatively greater abundance in heart and skeletal muscle.

**DISEASE:**

Defects in ADCK3 are the cause of coenzyme Q10 deficiency, primary, type 4 (COQ10D4) [MIM:612016]. An autosomal recessive disorder characterized by childhood-onset of cerebellar ataxia and exercise intolerance. Patients manifest gait ataxia and cerebellar atrophy with slow progression. Additional features include brisk tendon reflexes and Hoffmann sign, variable psychomotor retardation and variable seizures.

**Similarity:**

Belongs to the protein kinase superfamily. ADCK protein kinase family. Contains 1 protein kinase domain.

**SWISS:**

Q8NI60

**Gene ID:**

56997

**Database links:**

[Entrez Gene: 56997](#) Human

[Entrez Gene: 67426](#) Mouse

[Entrez Gene: 360887](#) Rat

[Omim: 606980](#) Human

[SwissProt: Q8NI60](#) Human

[SwissProt: Q60936](#) Mouse

[SwissProt: Q5BJQ0](#) Rat

[Unigene: 118241](#)Human

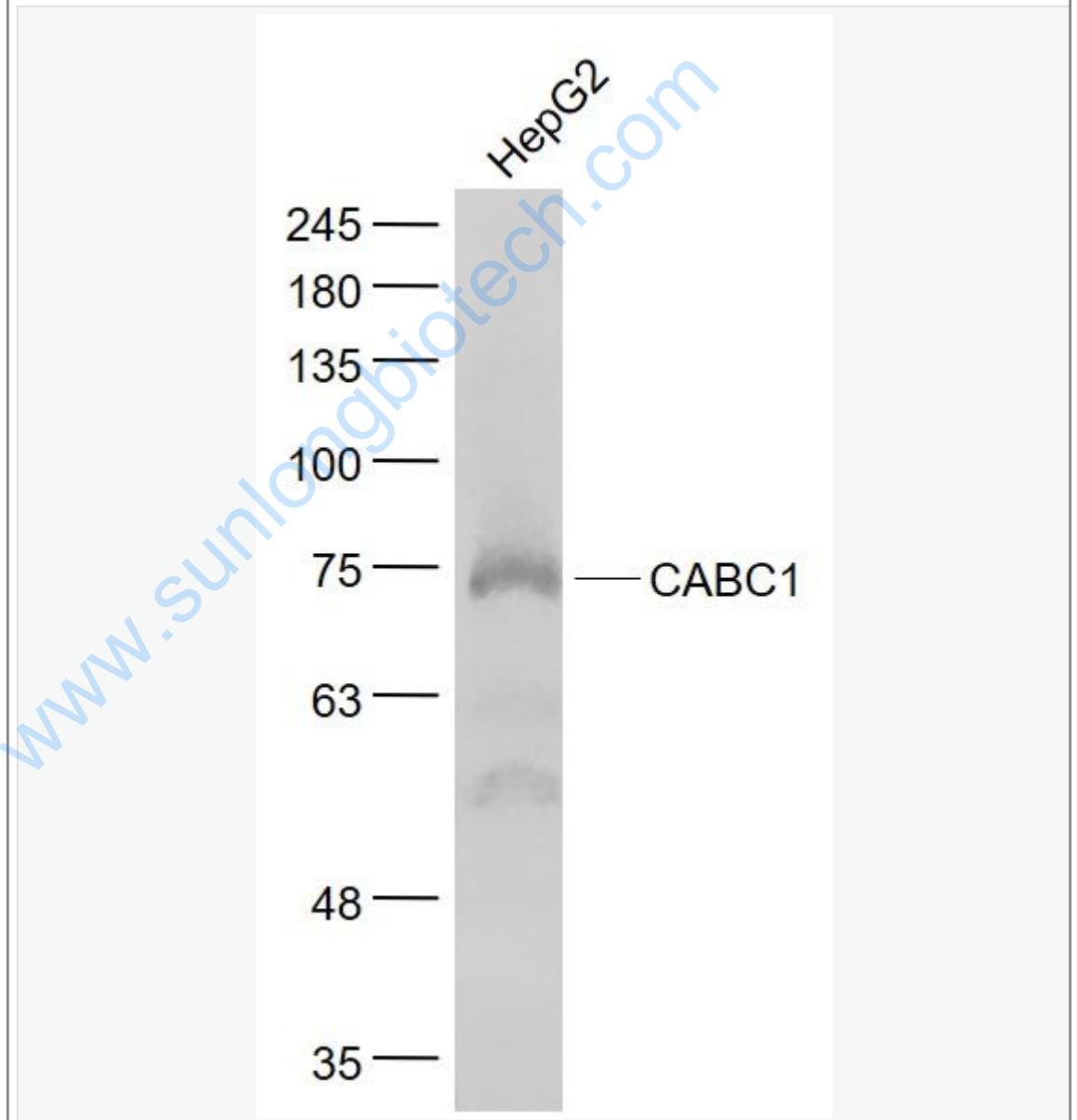
[Unigene: 38330](#)Mouse

[Unigene: 160865](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

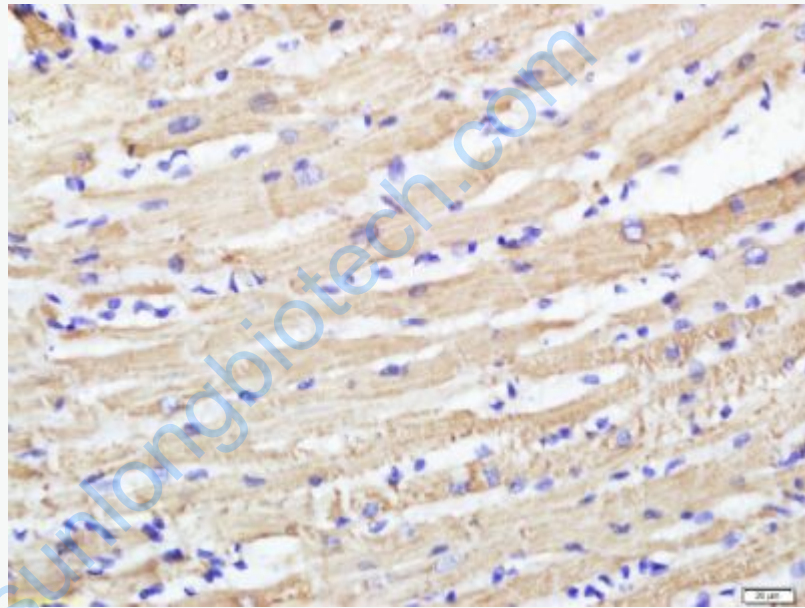
HepG2(Human) Cell Lysate at 30 ug

Primary: Anti- CABC1 (SL8071R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 72 kD

Observed band size: 75 kD



Tissue/cell: rat heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-CABC1 Polyclonal Antibody, Unconjugated(SL8071R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining