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**Product Name: Cytochrome c1 Rabbit Polyclonal Antibody****Catalog #: APRab09710**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC/IF 1:100-1:500,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	35kDa

**Antigen Information**

<b>Gene Name</b>	CYC1 CYC1; Cytochrome c1; heme protein, mitochondrial; Complex III subunit 4; Complex III subunit IV; Cytochrome b-c1 complex subunit 4; Ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit; Cytochrome c-1
<b>Gene ID</b>	1537.0
<b>SwissProt ID</b>	P08574
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CYC1. AA range:132-181

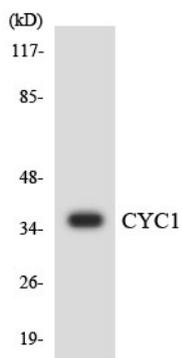
## Background

This gene encodes a subunit of the cytochrome bc1 complex, which plays an important role in the mitochondrial respiratory chain by transferring electrons from the Rieske iron-sulfur protein to cytochrome c. Mutations in this gene may cause mitochondrial complex III deficiency, nuclear type 6. [provided by RefSeq, Dec 2013],function:This is the heme-containing component of the cytochrome b-c1 complex, which accepts electrons from Rieske protein and transfers electrons to cytochrome c in the mitochondrial respiratory chain.,PTM: Binds 1 heme group per subunit.,similarity: Belongs to the cytochrome c family.,subunit: The bc1 complex contains 11 subunits: 3 respiratory subunits (cytochrome b, cytochrome c1 and Rieske/UQCRC1), 2 core proteins (UQCRC1/QCR1 and UQCRC2/QCR2) and 6 low-molecular weight proteins (UQCRH/QCR6, UQCRB/QCR7, UQCRQ/QCR8, UQCR10/QCR9, UQCR11/QCR10 and a cleavage product of Rieske/UQCRC1),

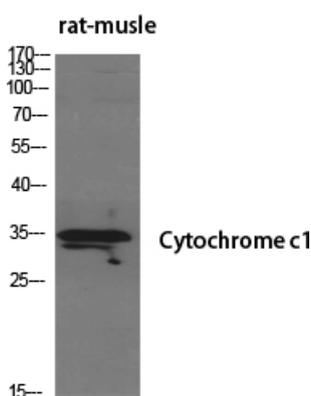
## Research Area

Oxidative phosphorylation; Cardiac muscle contraction; Alzheimer's disease; Parkinson's disease; Huntington's disease;

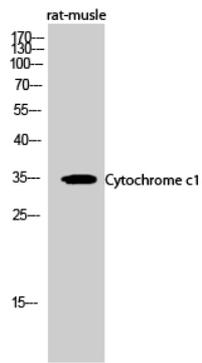
## Image Data



Western blot analysis of the lysates from HUVEC cells using CYC1 antibody.



Western Blot analysis of various cells using Cytochrome c1 Polyclonal Antibody diluted at 1: 500



Western Blot analysis of rat-muscle cells using Cytochrome c1 Polyclonal Antibody diluted at 1: 500