

## ADCK5 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00256
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ADCK5. AA range:151-200
<b>Mol wt</b>	65897
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	ADCK5 Antibody
<b>Synonyms</b>	ADCK5; Uncharacterized aarF domain-containing protein kinase 5

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

CABC1 (chaperone activity of bc1 complex-like), also known as COQ8 or ADCK3 (aarF domain-containing protein kinase 3) is a 647 amino acid mitochondrial protein that belongs to the ADCK protein kinase. Ubiquitously expressed with higher expression in heart and skeletal muscle, CABC1 is thought to function as a chaperone in the proper assembly of protein complexes found in the respiratory chain. CABC1 expression is induced both in response to DNA damage and by the tumor suppressor p53. When CABC1 expression is inhibited, p53-induced apoptosis is partially suppressed, suggesting a possible role for CABC1 in tumor suppression. Mutations in the gene encoding CABC1 may be implicated in ubiquinone deficiency which can lead to cerebellar ataxia and seizures. Four isoforms of CABC1 exist due to alternative splicing events. Other members of the ADCK protein kinase family include ADCK1, ADCK2, ADCK4 and ADCK5.

### Recommended Dilution

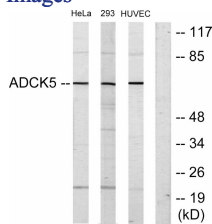
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

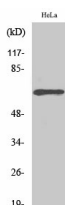
ELISA: 1: 20000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from HeLa, 293, and HUVEC cells, using ADCK5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ADCK5 Polyclonal Antibody

## Storage

-20°C for one year

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