

# CABC1 Antibody (monoclonal) (M05A)

Mouse monoclonal antibody raised against a partial recombinant CABC1.  
Catalog # AT1362a

## Product Information

---

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8NI60</a>
<b>Other Accession</b>	<a href="#">BC005171</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgM Kappa
<b>Clone Names</b>	8F7
<b>Calculated MW</b>	71950

## Additional Information

---

<b>Gene ID</b>	56997
<b>Other Names</b>	Chaperone activity of bc1 complex-like, mitochondrial, Chaperone-ABC1-like, 2711-, aarF domain-containing protein kinase 3, ADCK3, CABC1
<b>Target/Specificity</b>	CABC1 (AAH05171, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	CABC1 Antibody (monoclonal) (M05A) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

---

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.

## References

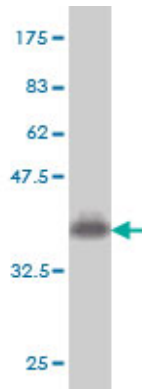
---

ADCK3, an ancestral kinase, is mutated in a form of recessive ataxia associated with coenzyme Q10

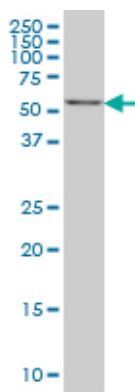
deficiency. Lagier-Tourenne C, et al. Am J Hum Genet, 2008 Mar. PMID 18319074.CABC1 gene mutations cause ubiquinone deficiency with cerebellar ataxia and seizures. Mollet J, et al. Am J Hum Genet, 2008 Mar. PMID 18319072.The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.

## Images

---



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



CABC1 monoclonal antibody (M05A), clone 8F7 Western Blot analysis of CABC1 expression in HeLa S3 NE ( (Cat # AT1362a )

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.