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CABC1 Antibody (monoclonal) (M03A)

Mouse monoclonal antibody raised against a partial recombinant CABC1.
Catalog # AT1361a

Product Information

Application	WB
Primary Accession	Q8NI60
Other Accession	BC005171
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	monoclonal
Isotype	IgM Kappa
Clone Names	5A4
Calculated MW	71950

Additional Information

Gene ID	56997
Other Names	Chaperone activity of bc1 complex-like, mitochondrial, Chaperone-ABC1-like, 2711-, aarF domain-containing protein kinase 3, ADCK3, CABC1
Target/Specificity	CABC1 (AAH05171, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CABC1 Antibody (monoclonal) (M03A) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

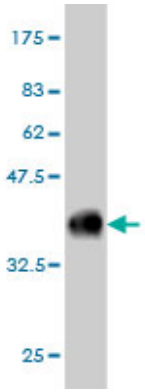
This gene encodes a mitochondrial protein similar to yeast ABC1, which functions in an electron-transferring membrane protein complex in the respiratory chain. It is not related to the family of ABC transporter proteins. Expression of this gene is induced by the tumor suppressor p53 and in response to 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

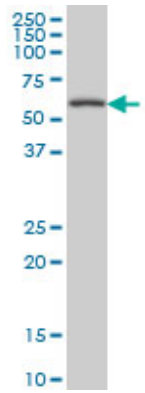
ADCK3, an ancestral kinase, is mutated in a form of recessive ataxia associated with coenzyme Q10

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 (M03A), clone 5A4 Western Blot analysis of CABC1 expression in Hela S3 NE ((Cat # AT1361a)

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