10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACAA2 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant ACAA2.
Catalog # AT1017a

Product Information

Application	WB, E
Primary Accession	P42765
Other Accession	NM_006111
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2F7
Calculated MW	41924

Additional Information

Gene ID	10449
Other Names	3-ketoacyl-CoA thiolase, mitochondrial, Acetyl-CoA acyltransferase, Beta-ketothiolase, Mitochondrial 3-oxoacyl-CoA thiolase, T1, ACAA2
Target/Specificity	ACAA2 (NP_006102, 151 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
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	ACAA2 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

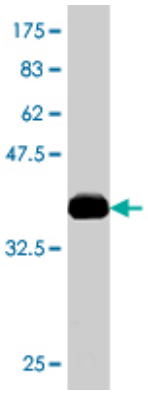
The encoded protein catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal.

References

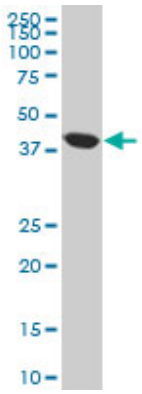
Pharmacogenetic analysis of lipid responses to rosuvastatin in Chinese patients. Hu M, et al. Pharmacogenet Genomics, 2010 Oct. PMID 20679960.Evaluating the discriminative power of multi-trait genetic risk scores for type 2 diabetes in a northern Swedish population. Fontaine-Bisson B, et al. Diabetologia, 2010 Oct. PMID 20571754.Acetyl-Coenzyme A acyltransferase 2 attenuates the apoptotic effects of BNIP3 in two human cell

lines. Cao W, et al. Biochim Biophys Acta, 2008 Jun. PMID 18371312.Six new loci associated with blood low-density lipoprotein cholesterol, high-density lipoprotein cholesterol or triglycerides in humans. Kathiresan S, et al. Nat Genet, 2008 Feb. PMID 18193044.Newly identified loci that influence lipid concentrations and risk of coronary artery disease. Willer CJ, et al. Nat Genet, 2008 Feb. PMID 18193043.

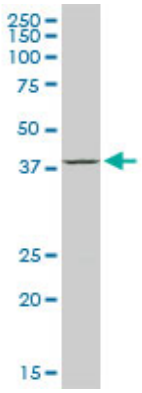
Images



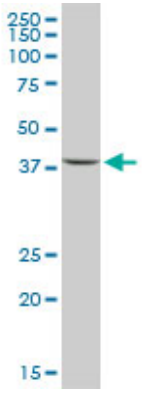
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



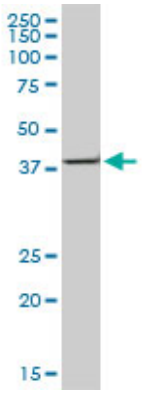
ACAA2 monoclonal antibody (M05), clone 2F7. Western Blot analysis of ACAA2 expression in HeLa ((Cat # AT1017a)



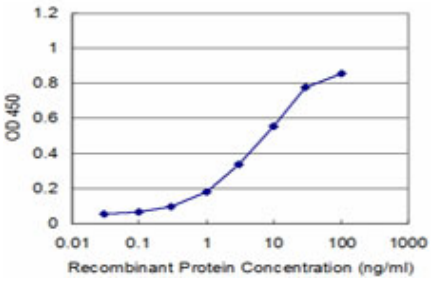
ACAA2 monoclonal antibody (M05), clone 2F7. Western Blot analysis of ACAA2 expression in PC-12 ((Cat # AT1017a)



ACAA2 monoclonal antibody (M05), clone 2F7. Western Blot analysis of ACAA2 expression in Raw 264.7 ((Cat # AT1017a)



ACAA2 monoclonal antibody (M05), clone 2F7. Western Blot analysis of ACAA2 expression in NIH/3T3 ((Cat # AT1017a)



Detection limit for recombinant GST tagged ACAA2 is approximately 0.3ng/ml as a capture antibody.

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