Datasheet for ABIN5776017

anti-ACADS antibody (AA 25-412)

2 Images

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Overview

Quantity:	100 µL
Target:	ACADS (Acads)
Binding Specificity:	AA 25-412
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACADS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant human ACADS (25-412aa) purified from E. coli
Clone:	AT8B10
Isotype:	IgG2a kappa

Target Details

Target:	ACADS (Acads)
Alternative Name:	ACADS (Acads Products)
Background:	ACADS (Acyl-Coenzyme A dehydrogenase), also known as SCAD or ACAD3, is a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations of ACADS have been associated with fatty acid oxidation defects and metabolic

Target Details

	diseases such as short-chain acyl-CoA dehydrogenase deficiency (SCAD deficiency).
Pathways:	Monocarboxylic Acid Catabolic Process

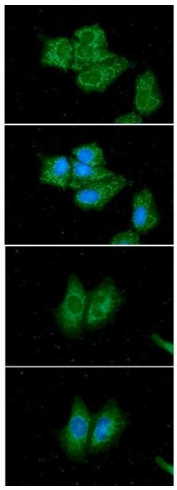
Application Details

Restrictions:	For Research Use only

Handling

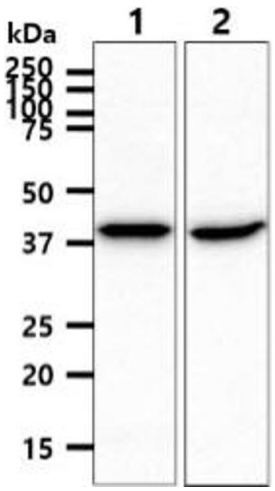
Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

Images



Immunofluorescence

Image 1. ICC/IF analysis of ACADS in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACADS antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of ACADS in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACADS antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



Western Blotting

Image 2. The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACADS antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : HepG2 cell lysate Lane 2 : LnCap cell lysate

