Datasheet for ABIN654089

anti-ACOT11 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	ACOT11
Binding Specificity:	AA 549-575, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACOT11 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ACOT11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 549-575 amino acids from the C-terminal region of human ACOT11.
Clone:	RB21693
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ACOT11
Alternative Name:	ACOT11 (ACOT11 Products)

Target Details

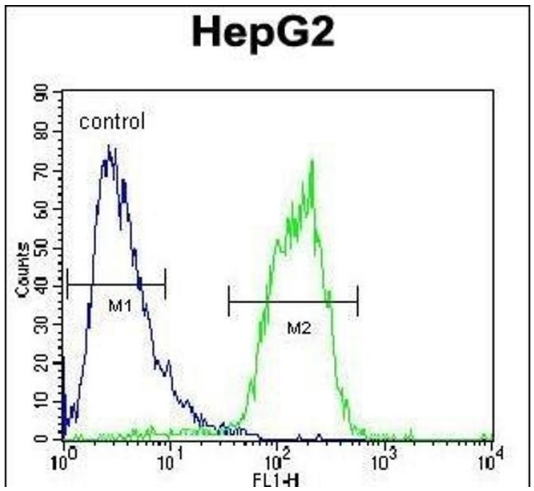
Background:	This gene encodes a member of the acyl-CoA thioesterase family which catalyse the conversion of activated fatty acids to the corresponding non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and repressed by warm temperatures. Higher levels of expression of the mouse homolog has been found in obesity-resistant mice compared with obesity-prone mice, suggesting a role of acyl-CoA thioesterase 11 in obesity. Alternative splicing results in transcript variants.
Molecular Weight:	68492
Gene ID:	26027
NCBI Accession:	NP_056362, NP_671517
UniProt:	Q8WXI4

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

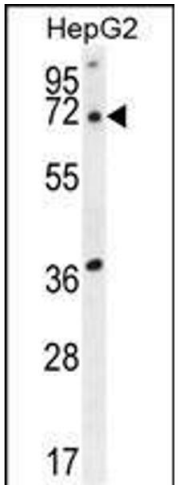
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



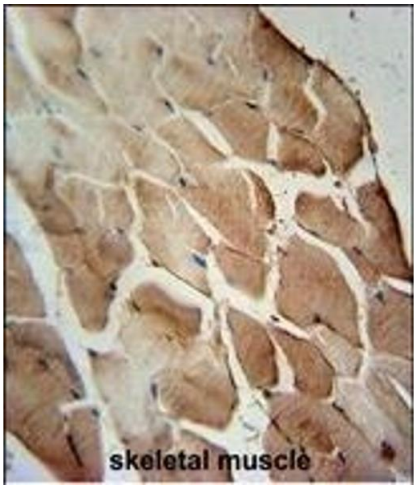
Flow Cytometry

Image 1. ACOT11 Antibody (C-term) (ABIN654089 and ABIN2843976) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. ACOT11 Antibody (C-term) (ABIN654089 and ABIN2843976) western blot analysis in HepG2 cell line lysates (35 µg/lane).This demonstrates the ACOT11 antibody detected the ACOT11 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. ACOT11 Antibody (C-term) (ABIN654089 and ABIN2843976) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACOT11 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.