

Rabbit anti-Human ACOT11 Polyclonal Antibody | anti-ACOT11 antibody

ACOT11 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288754	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ACOT11; Polyclonal Antibody; ACOT11 Antibody (C-term); Acyl-coenzyme A thioesterase 11; Acyl-CoA thioesterase 11; 312-; Acyl-CoA thioester hydrolase 11; Adipose-associated thioesterase; Brown fat-inducible thioesterase; BFIT; KIAA0707; THEA; anti-ACOT11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	549-575
Sequence Length	607
Applicable Applications for anti-ACOT11 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

ACOT11 Antibody (C-term) 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.



IHC (Immunohistochemistry)

ACOT11 Antibody (C-term) 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.



WB (Western Blot)

ACOT11 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ACOT11 antibody detected the ACOT11 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ACOT11 antibody	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.
Product Categories/Family for anti-ACOT11 antibody	Cardiovascular; Metabolism; Signal transduction
References	Kirkby, B., et al. Prog. Lipid Res. 49(4):366-377(2010) Hunt, M.C., et al. J. Lipid Res. 46(9):2029-2032(2005) Adams, S.H., et al. Biochem. J. 360 (PT 1), 135-142 (2001) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	22165355
NCBI GeneID	26027
NCBI Accession #	NP_056362.1; NP_671517.1
NCBI GenBank Nucleotide #	NM_015547.3
UniProt Accession #	Q8WXI4; O75187; Q52LP1; Q53ER9; Q96DI1; Q9H883; B1AQ22; D3DQ50
Molecular Weight	68492
NCBI Official Full Name	acyl-coenzyme A thioesterase 11 isoform 1
NCBI Official Synonym Full Names	acyl-CoA thioesterase 11
NCBI Official Symbol	ACOT11
NCBI Official Synonym Symbols	BFIT; THEA; THEM1; STARD14
NCBI Protein Information	acyl-coenzyme A thioesterase 11
UniProt Protein Name	Acyl-coenzyme A thioesterase 11
UniProt Gene Name	ACOT11
UniProt Synonym Gene Names	BFIT; KIAA0707; THEA; Acyl-CoA thioesterase 11; BFIT
UniProt Entry Name	ACO11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.