

Rabbit anti-Human ACOT13/THEM2 Polyclonal Antibody | anti-ACOT13 antibody

Anti-ACOT13/THEM2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255817	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ACOT13/THEM2; Polyclonal Antibody; Anti-ACOT13/THEM2 Antibody; Rabbit Polyclonal; THEM2/ACOT13 Antibody; Rabbit PAb; Antigen Affinity Purified; acyl-CoA thioesterase 13; Anti-ACOT13 Antibody; Anti-HT012 Antibody; Anti-PNAS-27 Antibody; Anti-THEM2 Antibody; anti-ACOT13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human THEM2/ACOT13
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ACOT13 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human THEM2/ACOT13 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human THEM2/ACOT13 (rh THEM2/ACOT13). THEM2/ACOT13 specific IgG was purified by Human THEM2/ACOT13 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

THEM2 was immunoprecipitated using: Lane A: 0.5 mg Mouse liver tissue lysate 4 uL anti-THEM2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-THEM2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 15 kDa. Observed band size: 15 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human THEM2 in human hepatoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human THEM2 in human liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-THEM2 rabbit polyclonal antibody at 1:500 dilution. Lane A: 293 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 15 kDa. Observed band size: 15 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ACOT13 antibody

The metabolites of fatty acyl-Coenzyme A (CoA) and metabolic enzymes contribute to lipid biosynthesis, signal transduction, and gene transcription. Members of the acyl-CoA thioesterase (Acot) gene family hydrolyze fatty acyl-CoAs, but their biological functions remain incompletely understood. Thioesterase superfamily member 2 (Them2; synonym Acot13) is enriched in oxidative tissues, associated with mitochondria, and relatively specific for long chain fatty acyl-CoA substrates. Using Them2(-/-) mice, we have demonstrated key roles for Them2 in regulating hepatic glucose and lipid metabolism. Members of the acyl-CoA thioesterase (Acot) gene family catalyze the hydrolysis of fatty acyl-CoAs, but their biological functions remain unknown. Thioesterase superfamily member 2 (Them2; synonym Acot13) is a broadly expressed mitochondria-associated Acot. Them2 was previously identified as an interacting protein of phosphatidylcholine transfer protein (PC-TP).

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923812
NCBI GeneID	55856
NCBI Accession #	NP_060943.1
NCBI GenBank Nucleotide #	NM_018473.3
UniProt Accession #	Q9NPJ3
NCBI Official Full Name	acyl-coenzyme A thioesterase 13 isoform 1
NCBI Official Synonym Full Names	acyl-CoA thioesterase 13
NCBI Official Symbol	ACOT13
NCBI Official Synonym Symbols	HT012; THEM2; PNAS-27
NCBI Protein Information	acyl-coenzyme A thioesterase 13
UniProt Protein Name	Acyl-coenzyme A thioesterase 13
UniProt Gene Name	ACOT13
UniProt Synonym Gene Names	THEM2; Acyl-CoA thioesterase 13
UniProt Entry Name	ACO13_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acot13-them2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255817>