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Anti-ACOT12 Antibody

Rabbit polyclonal antibody to ACOT12
Catalog # AP61468

Product Information

Application	WB, IHC, IF
Primary Accession	Q8WYK0
Other Accession	Q9DBK0
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62034

Additional Information

Gene ID	134526
Other Names	CACH; CACH1; STARD15; Acyl-coenzyme A thioesterase 12; Acyl-CoA thioesterase 12; Acyl-CoA thioester hydrolase 12; Cytoplasmic acetyl-CoA hydrolase 1; CACH-1; hCACH-1; START domain-containing protein 15; StARD15
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ACOT12. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200) IHC~~1:100~500 IF~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

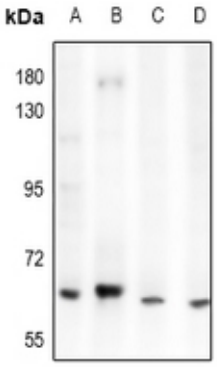
Protein Information

Name	ACOT12
Synonyms	CACH, CACH1, STARD15
Function	Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:16951743). Preferentially hydrolyzes acetyl-CoA (PubMed:16951743).
Cellular Location	Cytoplasm, cytosol.

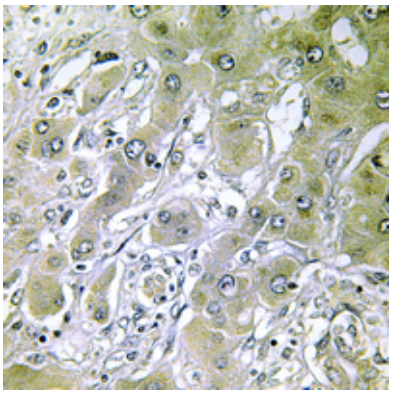
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ACOT12. The exact sequence is proprietary.

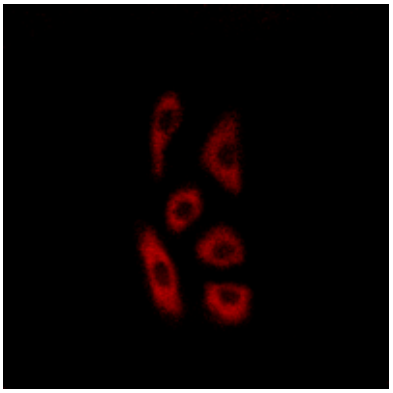
Images



Western blot analysis of ACOT12 expression in AML12 (A), rat liver (B), HepG2 (C), HEK293T (D) whole cell lysates.



Immunohistochemical analysis of ACOT12 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ACOT12 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.