

Product Name: ACOT1 Rabbit Polyclonal Antibody**Catalog #: APRab06513**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
Molecular Weight	46kDa

Antigen Information

Gene Name	ACOT1 ACOT1; CTE1; Acyl-coenzyme A thioesterase 1; Acyl-CoA thioesterase 1; CTE-I; CTE-Ib;
Alternative Names	Inducible cytosolic acyl-coenzyme A thioester hydrolase; Long chain acyl-CoA thioester hydrolase; Long chain acyl-CoA hydrolase
Gene ID	641371.0
SwissProt ID	Q86TX2
Immunogen	The antiserum was produced against synthesized peptide derived from human ACOT1. AA range:91-140

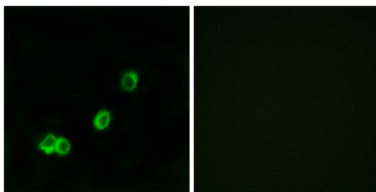
Background

catalytic activity:Palmitoyl-CoA + H₂O = CoA + palmitate.,function:Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. Active towards fatty acyl-CoA with chain-lengths of C12-C16.,similarity:Belongs to the C/M/P thioester hydrolase family.,subunit:Monomer.,catalytic activity:Palmitoyl-CoA + H₂O = CoA + palmitate.,function:Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. Active towards fatty acyl-CoA with chain-lengths of C12-C16.,similarity:Belongs to the C/M/P thioester hydrolase family.,subunit:Monomer.,

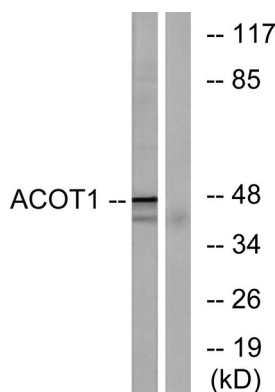
Research Area

Biosynthesis of unsaturated fatty acids;

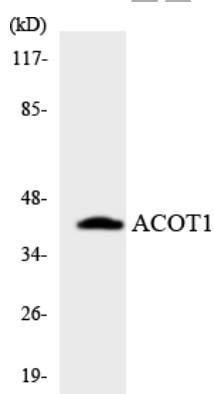
Image Data



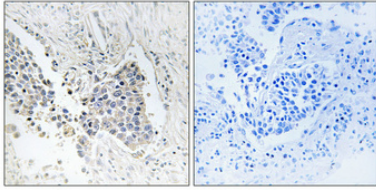
Immunofluorescence analysis of MCF7 cells, using ACOT1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using ACOT1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using ACOT1 antibody.



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.