
Product Name: ACOT4 Rabbit Polyclonal Antibody**Catalog #: APRab06516**

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 1:10000-1:20000
Molecular Weight	48kDa

Antigen Information

Gene Name	ACOT4 ACOT4; PTE2B; PTEIB; Acyl-coenzyme A thioesterase 4; Acyl-CoA thioesterase 4; PTE-2b;
Alternative Names	Peroxisomal acyl coenzyme A thioester hydrolase Ib; Peroxisomal long-chain acyl-CoA thioesterase Ib; PTE-Ib
Gene ID	122970.0
SwissProt ID	Q8N9L9
Immunogen	The antiserum was produced against synthesized peptide derived from human ACOT4. AA range:361-410

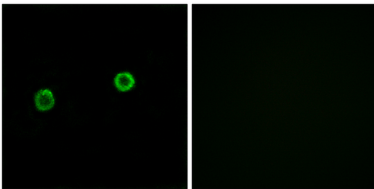
Background

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.,similarity:Belongs to the C/M/P thioester hydrolase family.,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.,similarity:Belongs to the C/M/P thioester hydrolase family.,

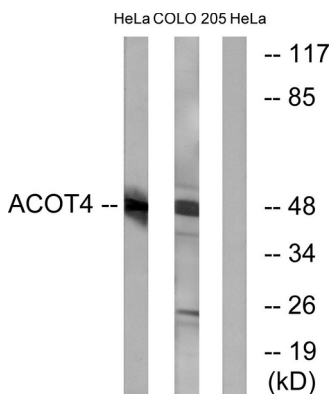
Research Area

Biosynthesis of unsaturated fatty acids;

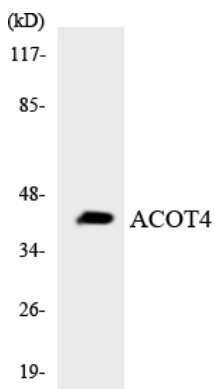
Image Data



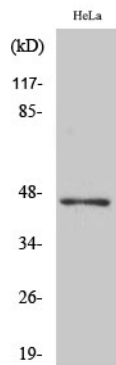
Immunofluorescence analysis of MCF7 cells, using ACOT4 Antibody. The picture on the right is blocked with the synthesized peptide.



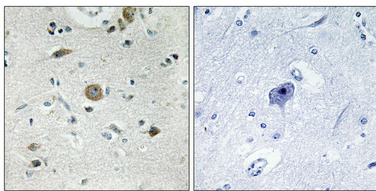
Western blot analysis of lysates from HeLa and COLO cells, using ACOT4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using ACOT4 antibody.



Western Blot analysis of various cells using ACOT4 Polyclonal Antibody diluted at 1 : 1000



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