

ACOT4 Polyclonal Antibody

Catalog No :	YT0088
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	ACOT4
Fields :	>>Fatty acid elongation;>>Biosynthesis of unsaturated fatty acids;>>Metabolic pathways;>>Ovarian steroidogenesis
Gene Name :	ACOT4
Protein Name :	Acyl-coenzyme A thioesterase 4
Human Gene Id :	122970
Human Swiss Prot No :	Q8N9L9
Mouse Swiss Prot No :	Q8BWN8
Immunogen :	The antiserum was produced against synthesized peptide derived from human ACOT4. AA range:361-410
Specificity :	ACOT4 Polyclonal Antibody detects endogenous levels of ACOT4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 48kD

Cell Pathway : Biosynthesis of unsaturated fatty acids;

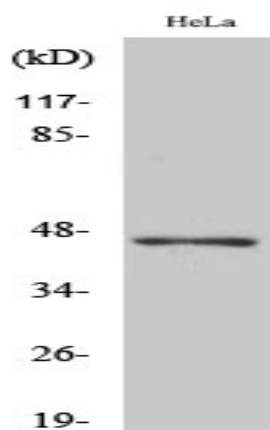
Background : catalytic activity:Palmitoyl-CoA + H(2)O = CoA + palmitate.,function:Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH.,similarity:Belongs to the C/M/P thioester hydrolase family.,

Function : catalytic activity:Palmitoyl-CoA + H(2)O = 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.,

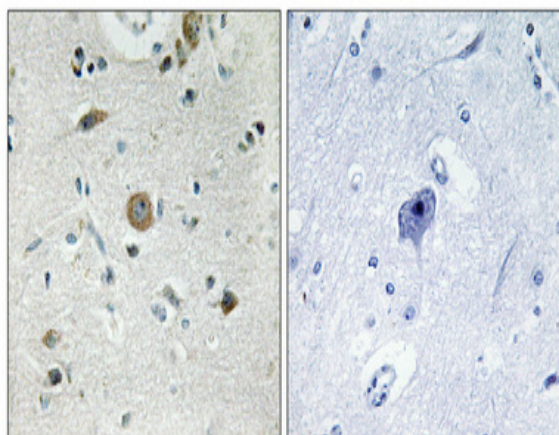
Subcellular Location : Peroxisome .

Expression : Strongest expression in liver and kidney and weaker expression in placenta, heart, and muscle.

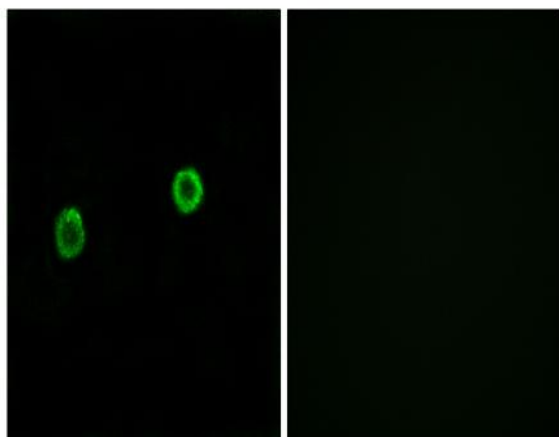
Products Images



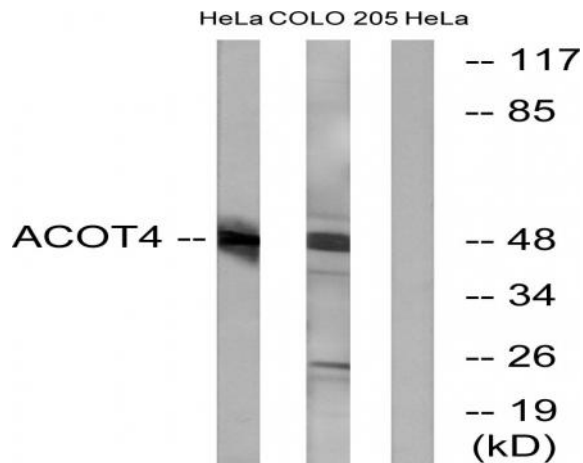
Western Blot analysis of various cells using ACOT4 Polyclonal Antibody diluted at 1:1000



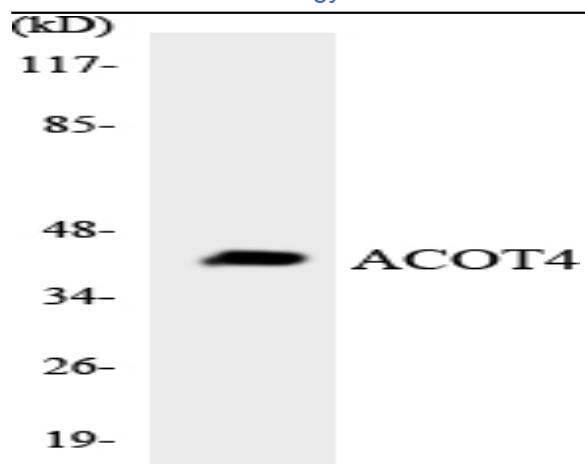
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



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.