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Anti-ACOT8 Antibody (aa131-180)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18352

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	O14734
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	35914

Additional Information

Gene ID	10005
Alias Symbol	ACOT8
Other Names	ACOT8, Acyl-CoA thioesterase 8, Acyl-coenzyme A thioesterase 8, ACTEIII, HNAACTE, HACTE-III, HACTEIII, PTE-1, Thioesterase II, Palmitoyl-CoA hydrolase, PTE1, Choloyl-CoA hydrolase, HTE, PTE-2, PTE2, Thioesterase III
Target/Specificity	ACOT8 Antibody detects endogenous levels of total ACOT8 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-ACOT8 Antibody (aa131-180) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACOT8
Synonyms	ACTEIII, PTE1 {ECO:0000303|PubMed:100925
Function	Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:15194431, PubMed:9153233, PubMed:9299485). Displays no strong substrate specificity with respect to the carboxylic acid moiety of Acyl-CoAs (By similarity). Hydrolyzes medium length (C2 to C20) straight-chain, saturated and unsaturated acyl-CoAS but is inactive towards substrates with longer aliphatic chains (PubMed:9153233, PubMed:9299485). Moreover, it catalyzes the hydrolysis of CoA esters of bile acids, such as choloyl-CoA and chenodeoxycholoyl-CoA and competes with bile acid CoA:amino acid N-acyltransferase (BAAT) (By similarity). Is also able to hydrolyze CoA esters of dicarboxylic acids (By similarity). It is involved in the metabolic regulation of

	peroxisome proliferation (PubMed:15194431).
Cellular Location	Peroxisome matrix. Note=Predominantly localized in the peroxisome but a localization to the cytosol cannot be excluded
Tissue Location	Detected in a T-cell line (at protein level). Ubiquitous (PubMed:9153233, PubMed:9299485)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.