



[Go to Product page](#)

Datasheet for ABIN708641  
**anti-ACOT8 antibody (AA 31-130)**

### Overview

Quantity:	100 µL
Target:	ACOT8
Binding Specificity:	AA 31-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACOT8 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ACOT8
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	ACOT8
Alternative Name:	ACOT8 ( <a href="#">ACOT8 Products</a> )

## Target Details

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**Background:** Synonyms: ACTEIII, Acot8, ACOT8\_HUMAN, acyl CoA thioesterase 8, Acyl-CoA thioesterase 8, Acyl-coenzyme A thioesterase 8, Choloyl coenzyme A thioesterase, Choloyl-coenzyme A thioesterase, hACTE III, hACTE-III, hACTEIII, HIV Nef associated acyl CoA thioesterase, HIV-Nef-associated acyl-CoA thioesterase, HNAACTE, hTE, Long chain fatty acyl CoA hydrolase, Palmitoyl CoA hydrolase, Peroxisomal acyl CoA thioesterase 1, Peroxisomal acyl coenzyme A thioester hydrolase 1, Peroxisomal acyl-coenzyme A thioester hydrolase 1, Peroxisomal long chain acyl CoA thioesterase 1, Peroxisomal long-chain acyl-CoA thioesterase 1, PTE 1, PTE 2, PTE-1, PTE-2, PTE1, PTE2, Thioesterase II.

Background: 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. Acyl-coenzyme A Thioesterase 8, also known as ACOT8 may mediate Nef-induced down-regulation of CD4. It is a major thioesterase in peroxisomes and competes with BAAT (Bile acid CoA: amino acid N-acyltransferase) for bile acid-CoA substrate (such as chenodeoxycholoyl-CoA). It shows a preference for medium-length fatty acyl-CoAs and may be involved in the metabolic regulation of peroxisome proliferation.

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**Gene ID:** 10005

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**Pathways:** [Monocarboxylic Acid Catabolic Process](#)

## Application Details

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**Application Notes:** ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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## Handling

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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months