



Datasheet for ABIN950242
anti-ACOT8 antibody (C-Term)



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3 Images

1 Publication

Overview

Quantity:	0.4 mL
Target:	ACOT8
Binding Specificity:	AA 290-319, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACOT8 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 290~319 amino acids from the C-terminal region of human ACOT8
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ACOT8.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ACOT8
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Target Details

Alternative Name:	ACOT8 (ACOT8 Products)
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. It may mediate Nef-induced down-regulation of CD4. It may be involved in the metabolic regulation of peroxisome proliferation. Synonyms: ACTEIII, Acyl-CoA thioesterase 8, Choloyl-coenzyme A thioesterase, HIV-Nef-associated acyl-CoA thioesterase, PTE-2, PTE1, PTE2, Peroxisomal acyl-coenzyme A thioester hydrolase 1, Peroxisomal long-chain acyl-CoA thioesterase 1, Thioesterase II
Gene ID:	10005
NCBI Accession:	NP_005460
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

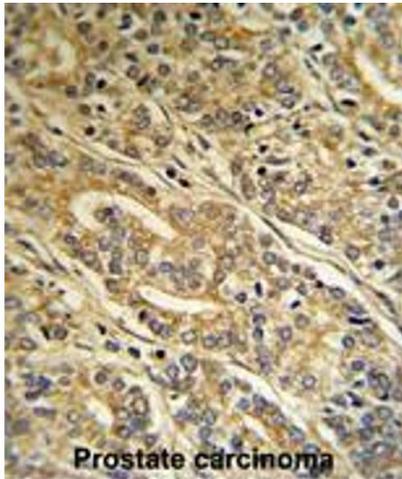
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

Product cited in:	Daub, Olsen, Bairlein, Gnad, Oppermann, Körner, Greff, Kéri, Stemmann, Mann: "Kinase-selective
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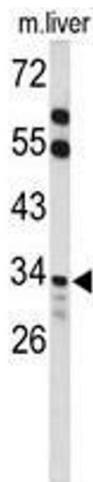
enrichment enables quantitative phosphoproteomics of the kinome across the cell cycle." in:

Molecular cell, Vol. 31, Issue 3, pp. 438-48, (2008) ([PubMed](#)).



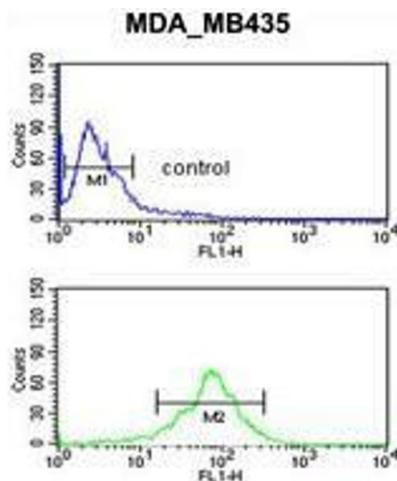
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human Prostate carcinoma reacted with ACOT8 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of ACOT8 Antibody (C-term) in mouse liver tissue lysates (35 µg/lane). ACOT8 (arrow) was detected using the purified Pab.



Flow Cytometry

Image 3. ACOT8 Antibody (C-term) flow cytometric analysis of MDA-MB435 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.