

## Product datasheet for **AP50053PU-N**

### Acyl coenzyme A Thioesterase 8 (ACOT8) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blotting:</b> 1/100 - 1/500. <b>Immunohistochemistry:</b> 1/50 - 1/100. <b>Flow cytometry:</b> 1/10 - 1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 290~319 amino acids from the C-terminal region of human ACOT8
Specificity:	This antibody reacts to ACOT8.
Formulation:	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. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	acyl-CoA thioesterase 8
Database Link:	<a href="#">Entrez Gene 170789 Mouse</a> <a href="#">Entrez Gene 10005 Human</a> <a href="#">O14734</a>



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**Background:**

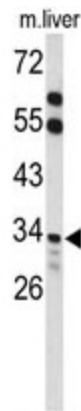
Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. It may mediate Nef-induced down-regulation of CD4. It may be involved in the metabolic regulation of peroxisome proliferation.

**Synonyms:**

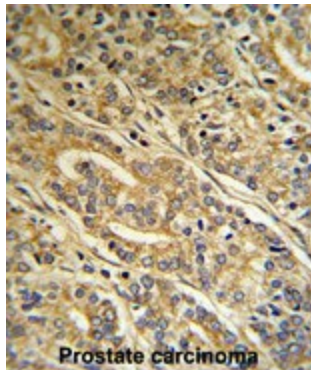
ACTEIII, PTE1, PTE2, Acyl-CoA thioesterase 8, PTE-2

**Note:**

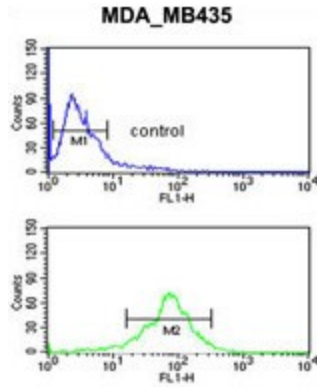
**Molecular Weight:** 35914 Da

**Product images:**

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



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.



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.