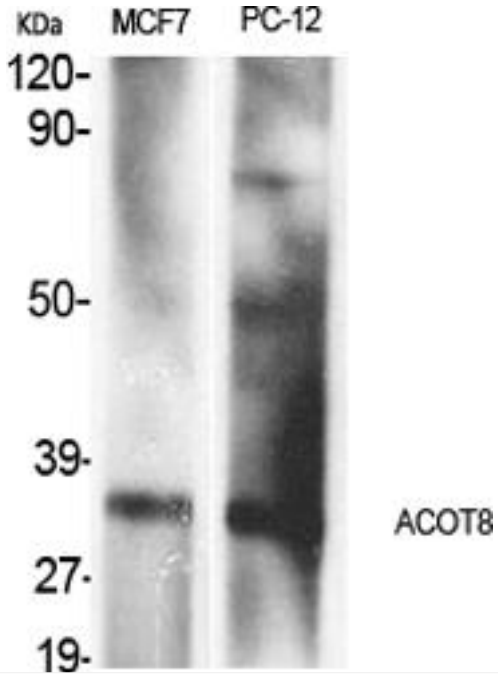
ACOT8 Monoclonal Antibody

Catalog No	YP-mAb-02472
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	ACOT8
Protein Name	Acyl-coenzyme A thioesterase 8
Immunogen	The antiserum was produced against synthesized peptide derived from human ACOT8. AA range:131-180
Specificity	ACOT8 Monoclonal Antibody detects endogenous levels of ACOT8 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACOT8; ACTEIII; PTE1; PTE2; Acyl-coenzyme A thioesterase 8; Acyl-CoA thioesterase 8; Choloyl-coenzyme A thioesterase; HIV-Nef-associated acyl-CoA thioesterase; PTE-2; Peroxisomal acyl-coenzyme A thioester hydrolase 1; PTE-1; Peroxisomal Ion
Observed Band	36kD
Cell Pathway	Peroxisome matrix . Predominantly localized in the peroxisome but a localization to the cytosol cannot be excluded. .
Tissue Specificity	Detected in a T-cell line (at protein level). Ubiquitous (PubMed:9153233, PubMed:9299485).
Function	catalytic activity:Choloyl-CoA + H(2)O = cholate + CoA.,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. May mediate Nef-induced down-regulation of CD4. Major thioesterase in peroxisomes. Competes with BAAT (Bile acid CoA: amino acid N-acyltransferase) for bile acid-CoA substrate (such as chenodeoxycholoyl-CoA). Shows a preference for medium-length fatty acyl-CoAs (By similarity). May be involved in the metabolic regulation of peroxisome proliferation.,induction:Regulated by peroxisome proliferator (such as Clofibrate), via the peroxisome proliferator-activated receptors (PPARs).,similarity:Belongs to the C/M/P thioester hydrolase

	family.,subunit:Interacts with HIV-1 Nef.,tissue specificity:Detect
Background	The protein encoded by this gene is a peroxisomal thioesterase that appears to be involved more in the oxidation of fatty acids rather than in their formation. The encoded protein can bind to the human immunodeficiency virus-1 protein Nef, and mediate Nef-induced down-regulation of CD4 in T-cells. [provided by RefSeq, Oct 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using ACOT8 Monoclonal Antibody