

Product datasheet

Anti-Acyl-coenzyme A Thioesterase 8 antibody ab88666

[2 Images](#)

Overview

Product name	Anti-Acyl-coenzyme A Thioesterase 8 antibody
Description	Mouse monoclonal to Acyl-coenzyme A Thioesterase 8
Host species	Mouse
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to amino acids 108-215 of Human Acyl-coenzyme A Thioesterase 8 protein (NP_005460) with a proprietary tag.
Positive control	A431 cell lysate; Partial tagged recombinant Human Acyl-coenzyme A Thioesterase 8 (the immunogen).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab88666** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 36 kDa.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

Target

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.

Tissue specificity

Detected in a T-cell line (at protein level). Ubiquitous.

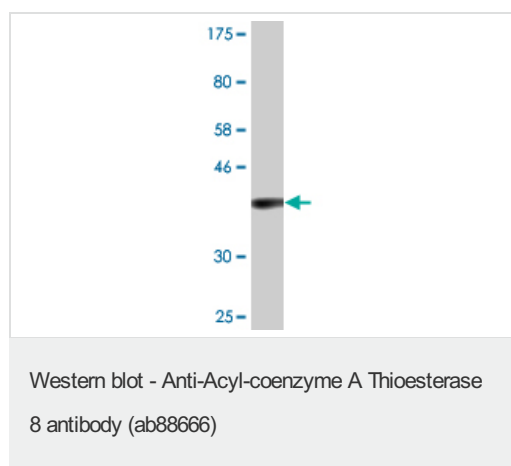
Sequence similarities

Belongs to the C/M/P thioester hydrolase family.

Cellular localization

Peroxisome.

Images



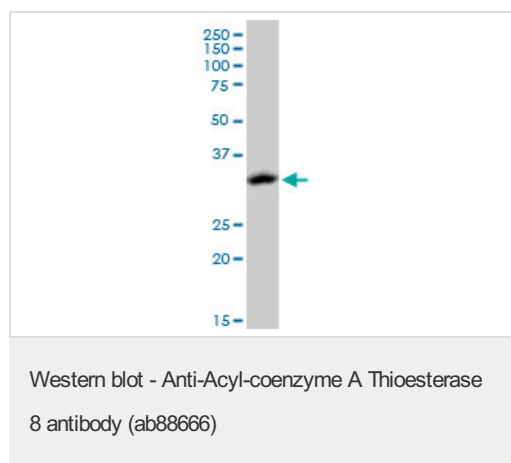
Anti-Acyl-coenzyme A Thioesterase 8 antibody (ab88666) at 5 µg/ml + Partial tagged recombinant human Acyl-coenzyme A Thioesterase 8 (the immunogen) at 0.2 µg

Predicted band size: 36 kDa

Observed band size: 38 kDa

[why is the actual band size different from the predicted?](#)

Western blot against tagged recombinant protein immunogen.
Predicted band size of immunogen is 38 kDa.



Anti-Acyl-coenzyme A Thioesterase 8 antibody (ab88666) at 5 µg/ml + A431 cell lysate at 50 µg

Predicted band size: 36 kDa

Observed band size: 32 kDa [why is the actual band size different from the predicted?](#)

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