

Product datasheet

Anti-Acyl-coenzyme A Thioesterase 4 antibody ab121116

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Overview

Product name	Anti-Acyl-coenzyme A Thioesterase 4 antibody
Description	Rabbit polyclonal to Acyl-coenzyme A Thioesterase 4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	antigen sequence, corresponding to C terminal amino acids 273-416 of Human Acyl-coenzyme A Thioesterase 4.
Positive control	Human cerebral cortex tissue; RT 4, EFO 21 and Human Liver lysates.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab121116 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 0.04 - 0.4 µg/ml.
IHC-P		1/20 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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 (By similarity). Succinyl-CoA thioesterase that also hydrolyzes long chain saturated and unsaturated monocarboxylic acyl-CoAs.

Tissue specificity

Strongest expression in liver and kidney and weaker expression in placenta, heart, and muscle.

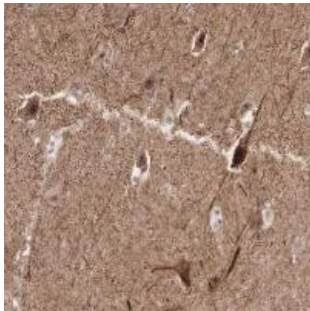
Sequence similarities

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

Cellular localization

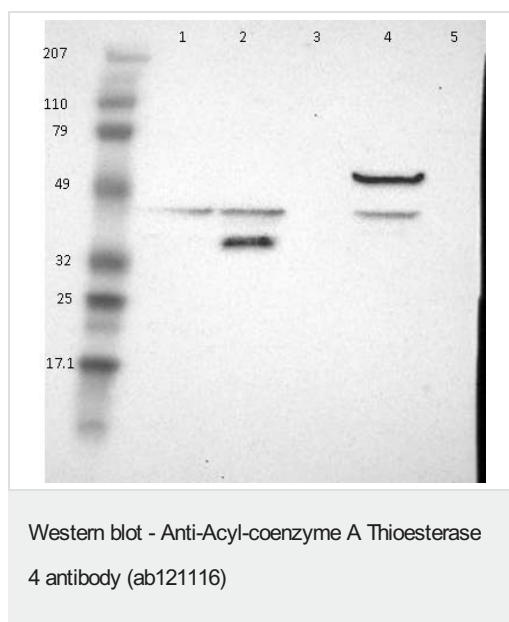
Peroxisome.

Images



ab121116 at 1/40 dilution staining Acyl-coenzyme A Thioesterase 4 in Paraffin-embedded Human cerebral cortex tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acyl-coenzyme A Thioesterase 4 antibody (ab121116)



All lanes : Anti-Acyl-coenzyme A Thioesterase 4 antibody (ab121116) at 1/250 dilution

Lane 1 : RT 4 cell lysate

Lane 2 : EFO 21 cell lysate

Lane 3 : U 138 MG cell lysate

Lane 4 : Human liver lysate

Lane 5 : Human tonsil lysate

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors