


Product datasheet

Anti-ACOT7 antibody [EPR11317(B)] ab156576

Recombinant RabMAb

3 Images

Overview

Product name	Anti-ACOT7 antibody [EPR11317(B)]
Description	Rabbit monoclonal [EPR11317(B)] to ACOT7
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Fetal brain, A375, 293T, and Jurkat cell lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR11317(B)

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab156576 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		1/1000 - 1/10000. Predicted molecular weight: 42 kDa.
IP		1/100 - 1/500.

Application notes

Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

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 play an important physiological function in brain. May play a regulatory role by modulating the cellular levels of fatty acyl-CoA ligands for certain transcription factors as well as the substrates for fatty acid metabolizing enzymes, contributing to lipid homeostasis. Has broad specificity, active towards fatty acyl-CoAs with chain-lengths of C8-C18. Has a maximal activity toward palmitoyl-CoA.

Tissue specificity

Isoform 4 is expressed exclusively in brain.

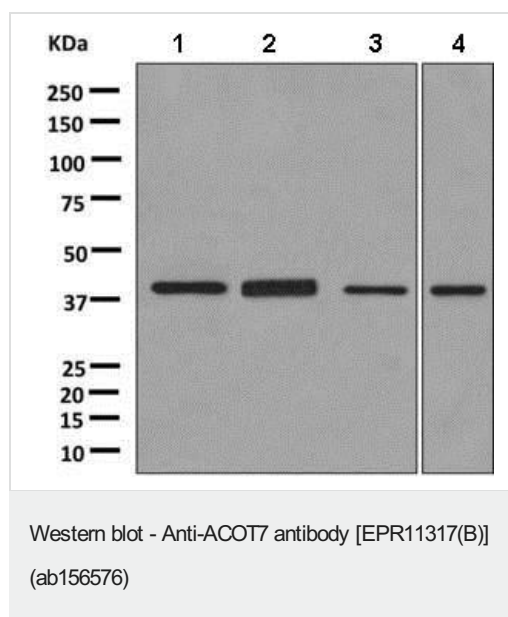
Sequence similarities

Contains 2 acyl coenzyme A hydrolase domains.

Cellular localization

Cytoplasm and Mitochondrion.

Images



All lanes : Anti-ACOT7 antibody [EPR11317(B)] (ab156576) at 1/1000 dilution

Lane 1 : fetal brain cell lysate

Lane 2 : A375 cell lysate

Lane 3 : 293T cell lysate

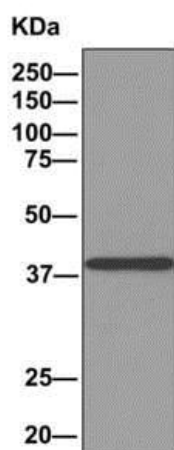
Lane 4 : Jurkat cell lysate

Lysates/proteins at 10 µg/ml per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 42 kDa



WB analysis of immunoprecipitates

ab156576, at a 1/1000 dilution, staining ACOT7 in Jurkat cell lysate immunoprecipitated using ab156576 at 1/100 dilution.

Immunoprecipitation - Anti-ACOT7 antibody
[EPR11317(B)] (ab156576)

Why choose a
recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-ACOT7 antibody [EPR11317(B)] (ab156576)

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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