


Product datasheet

Anti-SOAT 1/ACAT1 antibody ab72229

1 References 1 Image

Overview

Product name	Anti-SOAT 1/ACAT1 antibody
Description	Rabbit polyclonal to SOAT 1/ACAT1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow, Cynomolgus monkey 
Immunogen	Synthetic peptide corresponding to Human SOAT 1/ACAT1 aa 500 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab91082)
Positive control	This antibody gave a positive signal in the following lysates: Mouse Spleen Tissue; Ramos Whole Cell Lysate.
General notes	This product was previously labelled as SOAT 1

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab72229** in the following tested applications.

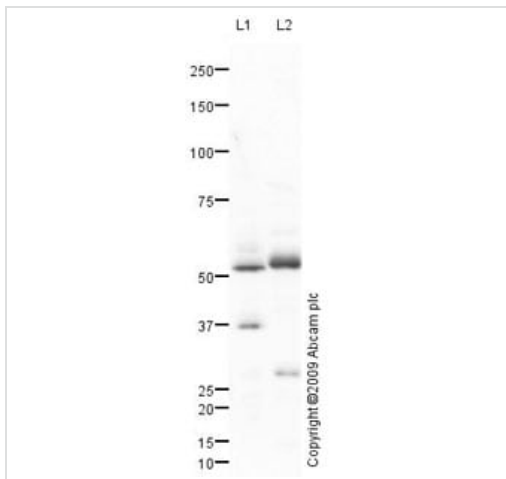
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 65 kDa).

Target

Function	Catalyzes the formation of fatty acid-cholesterol esters. Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase.
Sequence similarities	Belongs to the membrane-bound acyltransferase family. Sterol o-acyltransferase subfamily.
Cellular localization	Endoplasmic reticulum membrane.

Images



Western blot - Anti-SOAT 1/ACAT1 antibody (ab72229)

All lanes : Anti-SOAT 1/ACAT1 antibody (ab72229) at 1 µg/ml

Lane 1 : Spleen (Mouse) Tissue Lysate

Lane 2 : Ramos (Human Burkitt's Lymphoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under non-reducing conditions.

Predicted band size: 65 kDa

Observed band size: 55 kDa

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

Additional bands at: 28 kDa, 37 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

The 55 kDa band observed is comparable to the molecular weight seen with other commercially available antibodies to SOAT1/ACAT1.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- 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.

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