



Product datasheet

Anti-SLC27A5/BAL antibody ab224069

2 Images

Overview

Product name	Anti-SLC27A5/BAL antibody
Description	Rabbit polyclonal to SLC27A5/BAL
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment corresponding to Human SLC27A5/BAL aa 223-345. Sequence:</p> <p>RVLVVDPDLRESLEEILPKLQAENIRCFYLSHTSPTPGVGA LGAALDAAP SHPVPADLRAGITWRSPALFIYTSGTTGLPKPAILTHERVLQ MSKMLSLS GATADDVVYTVLPLYHVMGLVVG</p> <p>Database link: Q9Y2P5</p> <p style="text-align: right;"> Run BLAST with  Run BLAST with</p>
Positive control	WB: Human liver tissue lysate. IHC-P: Human liver tissue.
General notes	<p>Product previously known as SLC27A5.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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</p>

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab224069** in the following tested applications.

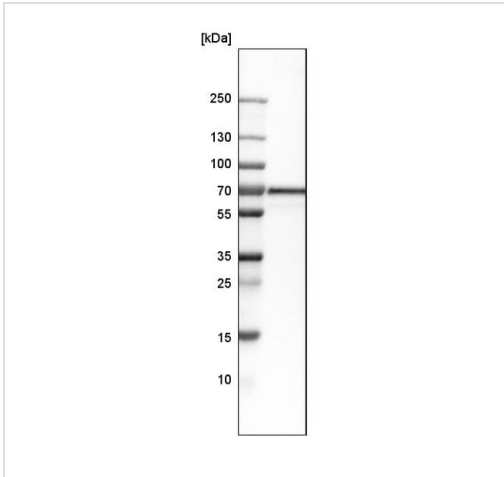
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 67,75 kDa.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids entering the liver from the enterohepatic circulation. In vitro, also activates 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol.
Tissue specificity	Predominantly expressed in liver.
Sequence similarities	Belongs to the ATP-dependent AMP-binding enzyme family.
Cellular localization	Endoplasmic reticulum membrane.

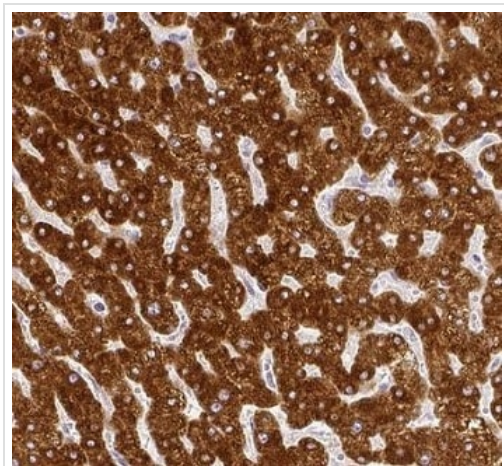
Images



Western blot - Anti-SLC27A5/BAL antibody
(ab224069)

Anti-SLC27A5/BAL antibody (ab224069) at 1/100 dilution + Human liver tissue lysate

Predicted band size: 67,75 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLC27A5/BAL antibody
(ab224069)

Paraffin-embedded human liver tissue stained for SLC27A5/BAL using ab224069 at 1/200 dilution in immunohistochemical analysis.

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
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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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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