



Product datasheet

Anti-SLC27A5/BAL antibody [CL0213] ab154140

1 References 3 Images

Overview

<b>Product name</b>	Anti-SLC27A5/BAL antibody [CL0213]
<b>Description</b>	Mouse monoclonal [CL0213] to SLC27A5/BAL
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p>Recombinant fragment corresponding to Human SLC27A5/BAL aa 223-345. Sequence:</p> <p>RVLVVD<sup>P</sup>DLRESLEEILPKLQAENIRCFYLSHTSPTPGVGA LGAALDAAP SHPVPADLRAGITWRSPALFIYTS<sup>G</sup>TTGLPKPAILTHERVLQ MSKMLSLS GATADDVVYTVLPLYHVMGLVVG</p> <p>Database link: <a href="#">Q9Y2P5</a></p> <p style="text-align: right;"> <a href="#">Run BLAST with</a>       <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	Human liver tissue; Human liver tissue lysate.
<b>General notes</b>	<p>The antibody solution should be gently mixed before use. Product previously known as SLC27A5.</p> <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&amp;As</p>

Properties

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

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	CL0213
<b>Isotype</b>	IgG1

## Applications

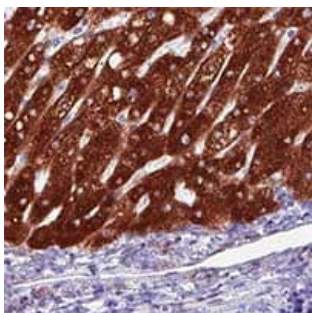
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab154140 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>IHC-P</b>		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
<b>WB</b>		1/1000 - 1/2500. Predicted molecular weight: 75 kDa.

## Target

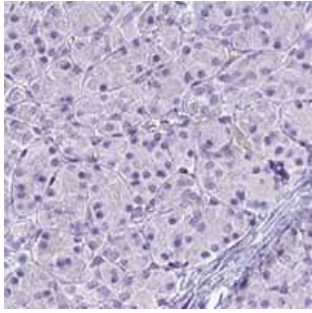
<b>Function</b>	Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids 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.
<b>Tissue specificity</b>	Predominantly expressed in liver.
<b>Sequence similarities</b>	Belongs to the ATP-dependent AMP-binding enzyme family.
<b>Cellular localization</b>	Endoplasmic reticulum membrane.

## Images



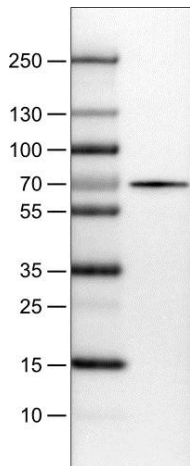
Immunohistochemical analysis of Human liver tissue labeling SLC27A5/BAL with ab154140 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLC27A5/BAL antibody [CL0213] (ab154140)



Immunohistochemical analysis of Human pancreas tissue showing no labeling of SLC27A5/BAL using ab154140 at 1/500 dilution (negative control).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLC27A5/BAL antibody [CL0213] (ab154140)



Anti-SLC27A5/BAL antibody [CL0213] (ab154140) at 1/1000 dilution + Human liver tissue lysate

**Predicted band size: 75 kDa**

Western blot - Anti-SLC27A5/BAL antibody [CL0213] (ab154140)

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

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