



Product datasheet

Anti-SLC27A5/BAL antibody [CL0213] ab154140

[1 References](#) [3 Images](#)

Overview

Product name	Anti-SLC27A5/BAL antibody [CL0213]
Description	Mouse monoclonal [CL0213] to SLC27A5/BAL
Host species	Mouse
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human SLC27A5/BAL aa 223-345. Sequence: RVLVVDLRESLEEILPKLQAENIRCFYLSHTSPTPGVGA LGAALDAAP SHPVPADLRAGITWRSPALFIYTS GTTGLPKPAILTHERVLQ MSKMLSLS GATADDVVYTVLPLYHVMGLVVG Database link: Q9Y2P5  Run BLAST with  Run BLAST with
Positive control	Human liver tissue; Human liver tissue lysate.
General notes	The antibody solution should be gently mixed before use. 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. 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

Properties

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

Purity	Protein A purified
Clonality	Monoclonal
Clone number	CL0213
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab154140 in the following tested applications.

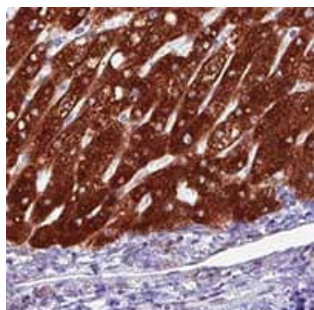
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

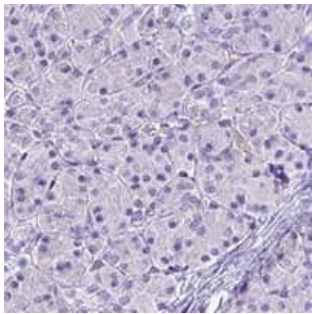
Function	Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids entering 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



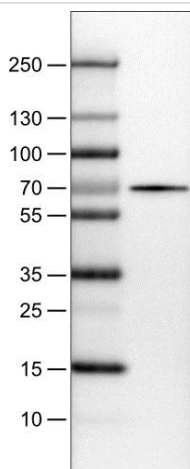
Immunohistochemical analysis of Human liver tissue labeling SLC27A5/BAL with ab154140 at 1/500 dilution.

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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