

Product datasheet

Anti-ACAA1/Beta-ketothiolase antibody [2H6BE7] ab110289

[4 References](#) [4 Images](#)

Overview

Product name	Anti-ACAA1/Beta-ketothiolase antibody [2H6BE7]
Description	Mouse monoclonal [2H6BE7] to ACAA1/Beta-ketothiolase
Host species	Mouse
Tested applications	Suitable for: ICC, Flow Cyt, IP, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Tissue, cells or virus. This information is considered to be commercially sensitive.
Positive control	HepG2,HL-60 cells, human liver tissue, rat liver tissue and mouse liver tissue.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</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&As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: HEPES buffered saline</p>
Purity	Ammonium Sulphate Precipitation
Purification notes	Purity near homogeneity as judge by SDS-PAGE. The antibody was produced in-vitro using hybridomas grown in serum-free medium and then purified by biochemical fractionation.

Clonality	Monoclonal
Clone number	2H6BE7
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab110289 in the following tested applications.

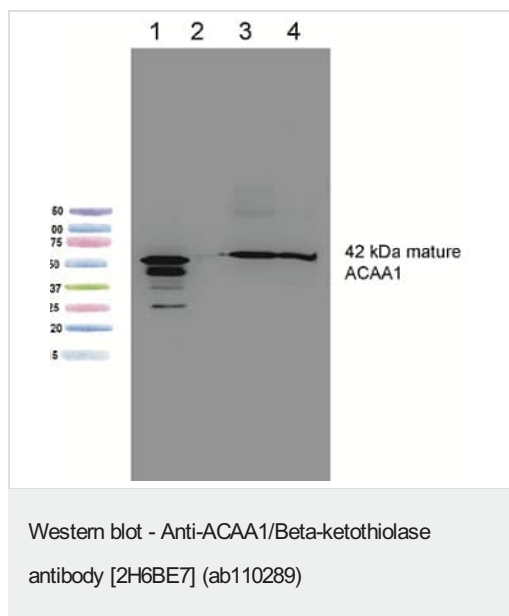
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use a concentration of 5 µg/ml. Heat-induced antigen retrieval improves signal
Flow Cyt		Use a concentration of 1 µg/ml. <u>ab170190</u> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 44 kDa.

Target

Pathway	Lipid metabolism; fatty acid metabolism.
Sequence similarities	Belongs to the thiolase family.
Cellular localization	Peroxisome.

Images



All lanes : Anti-ACAA1/Beta-ketothiolase antibody [2H6BE7] (ab110289) at 1 µg/ml

Lane 1 : Human liver

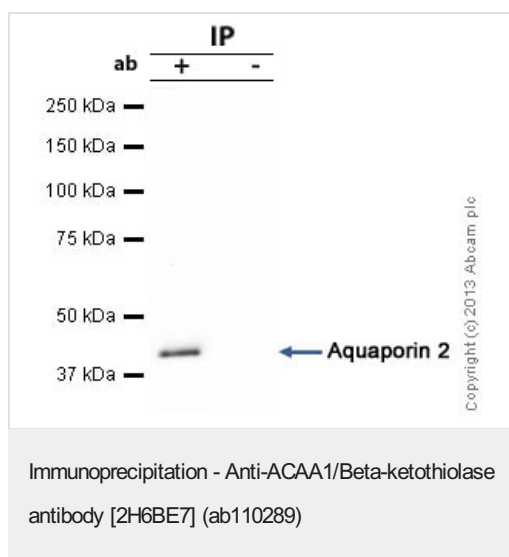
Lane 2 : HepG2

Lane 3 : Rat liver

Lane 4 : Mouse liver

Lysates/proteins at 10 µg per lane.

Predicted band size: 44 kDa



ACAA1/Beta-ketothiolase was immunoprecipitated using 0.5mg Mouse Liver tissue lysate, 5µg of Mouse monoclonal to ACAA1/Beta-ketothiolase and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Mouse Liver tissue lysate lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

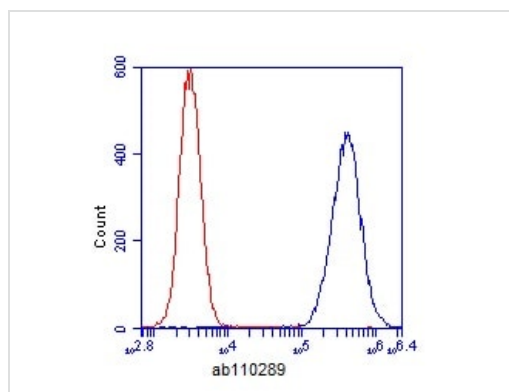
Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab110289.

Secondary: Goat polyclonal to mouse IgG light chain specific (HRP) at 1/20,000 dilution.

Band: 44kDa; ACAA1/Beta-ketothiolase



ab110289, at 5 µg/mL, staining ACAA1/Beta-ketothiolase in Human HepG2 cells. DAPI was used to stain the cell nuclei (blue).



ab110289, at 1 µg/mL, staining ACAA1/Beta-ketothiolase in HL-60 cells (blue) or using an isotype control (red).

Flow Cytometry - Anti-ACAA1/Beta-ketothiolase antibody [2H6BE7] (ab110289)

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