

Anti-Aconitase 2 antibody [6D1BE4] ab110320

3 Images

Overview

Product name	Anti-Aconitase 2 antibody [6D1BE4]
Description	Mouse monoclonal [6D1BE4] to Aconitase 2
Host species	Mouse
Specificity	This antibody is not suitable for Western blot. We recommend ab110321 for Western blotting.
Tested applications	Suitable for: IP, ICC/IF, Flow Cyt Unsuitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
Positive control	HDFn cells and HeLa cells; Hela, HepG2, Rat and Mouse liver cell lysates.
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	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
Purification notes	ab110320 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Purity: >95% by SDS-PAGE.
Clonality	Monoclonal

Clone number	6D1BE4
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab110320 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

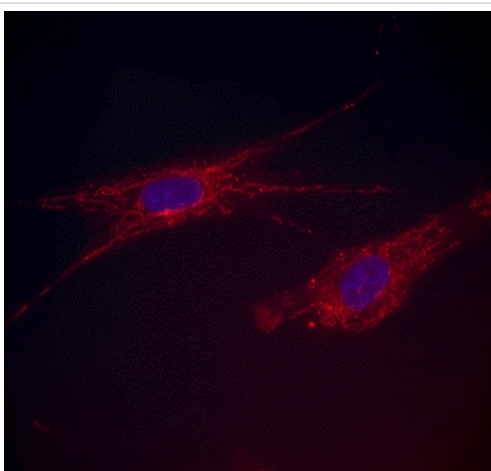
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 µg/ml.
Flow Cyt		Use a concentration of 1 µg/ml. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for WB.

Target

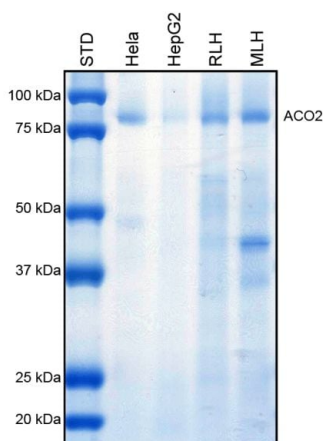
Function	Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.
Pathway	Carbohydrate metabolism; tricarboxylic acid cycle; isocitrate from oxaloacetate: step 2/2.
Sequence similarities	Belongs to the aconitase/IPM isomerase family.
Cellular localization	Mitochondrion.

Images



Immunocytochemistry/ Immunofluorescence - Anti-Aconitase 2 antibody [6D1BE4] (ab110320)

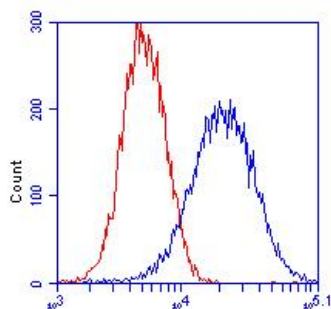
ab110320 at 1µg/ml staining Aconitase 2 in HDFn cells by Immunocytochemistry (4% paraformaldehyde fixed and 0.1% Triton X-100 permeabilized) followed by Alexa Fluor® 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour (red).
Note: the target protein locates to the mitochondria.



Immunoprecipitation - Anti-Aconitase 2 antibody
[6D1BE4] (ab110320)

Detection of **ab110321** by colloidal Coomassie blue G staining of Immunoprecipitate.

Staining of Aconitase in HeLa, HepG2, Rat liver homogenate (RLH), and Mouse liver homogenate (MLH) lysates immunoprecipitated using ab110320.



Flow Cytometry - Anti-Aconitase 2 antibody
[6D1BE4] (ab110320)

ab110320 at 1µg/ml staining Aconitase 2 in HeLa cells by Flow Cytometry (blue). Isotype control antibody (red).

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

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