


Product datasheet

Anti-Aconitase 2 antibody ab264394

[2 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-Aconitase 2 antibody |
| Description | Rabbit polyclonal to Aconitase 2 |
| Host species | Rabbit |
| Tested applications | Suitable for: IP, WB |
| Species reactivity | Reacts with: Mouse, Human Predicted to work with: Rat, Cow  |
| Immunogen | Synthetic peptide within Human Aconitase 2 aa 650-700. The exact sequence is proprietary. Database link: Q99798 |
| Positive control | WB: HeLa, HEK-293T, Jurkat, TCMK-1 and NIH/3T3 whole cell lysates. IP: HEK-293T whole cell lysate. |
| General notes | <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> |

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. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate |
| Purity | pH 7 to 8 Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

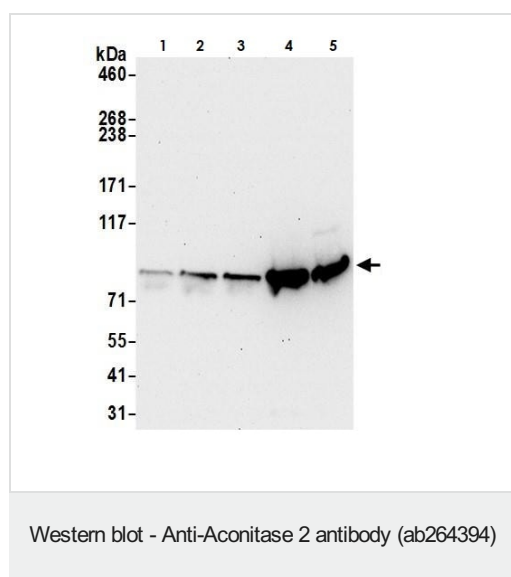
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab264394 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| IP | | Use at 2-10 µg/mg of lysate. |
| WB | | 1/2000 - 1/10000. Predicted molecular weight: 85 kDa. |

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



All lanes : Anti-Aconitase 2 antibody (ab264394) at 0.1 µg/ml

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 4 : TCMK-1 (mouse kidney epithelial cell line) whole cell lysate

Lane 5 : NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate

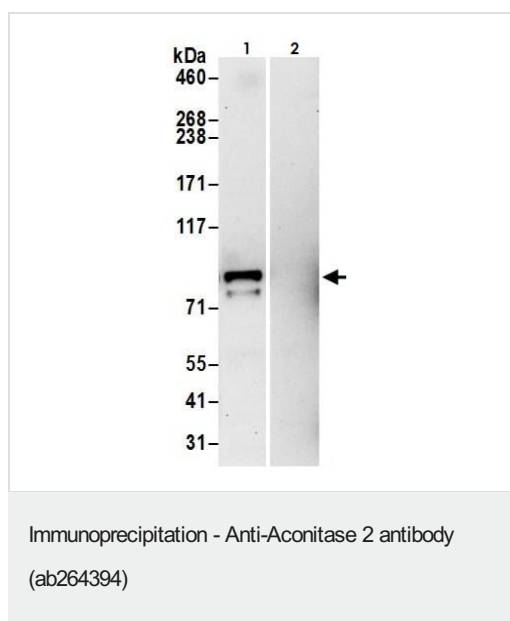
Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 85 kDa

Exposure time: 30 seconds

Lysates prepared using NETN lysis buffer.



Aconitase 2 was immunoprecipitated from HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) with ab264394 at 6 µg per reaction. Western blot was performed from the immunoprecipitate using ab264394 at 1 µg/ml.

Lane 1: ab264394 IP in HEK-293T whole cell lysate.

Lane 2: Control IgG IP in HEK-293T whole cell lysate.

Detection: Chemiluminescence with an exposure time of 30 seconds.

Lysates prepared using NETN lysis buffer.

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

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