


# Anti-Aconitase 2 antibody [EPR8282(B)] - BSA and Azide free ab248277

KO 評価済 リコンビナント RabMAb

画像数 5

### 製品の概要

製品名	Anti-Aconitase 2 antibody [EPR8282(B)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR8282(B)] to Aconitase 2 - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P <b>適用なし:</b> Flow Cyt
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab248277 is the carrier-free version of <a href="#">ab129069</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## 製品の特性

### 製品の状態

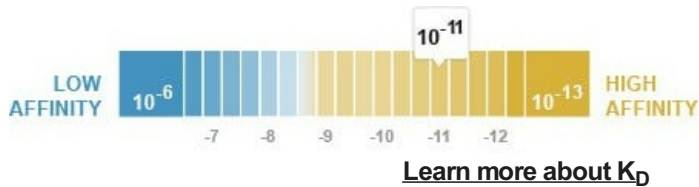
Liquid

### 保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

### 解離定数 ( $K_D$ 値)

$K_D = 2.90 \times 10^{-11}$  M



### バッファー

pH: 7.2

Constituent: PBS

### キャリア・フリー

はい

### 精製度

Protein A purified

### ポリ/モノ

モノクローナル

### クローン名

EPR8282(B)

### アイソタイプ

IgG

## アプリケーション

### The Abpromise guarantee

**Abpromise保証は、**次のテスト済みアプリケーションにおけるab248277の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 85 kDa (predicted molecular weight: 85 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

### 追加情報

Is unsuitable for Flow Cyt.

## ターゲット情報

### 機能

Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.

### パスウェイ

Carbohydrate metabolism; tricarboxylic acid cycle; isocitrate from oxaloacetate: step 2/2.

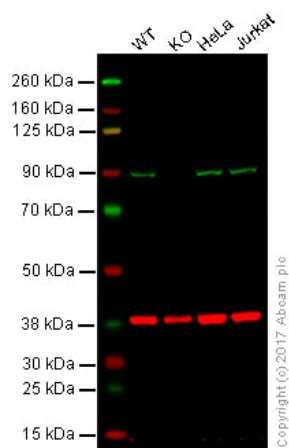
### 配列類似性

Belongs to the aconitase/IPM isomerase family.

### 細胞内局在

Mitochondrion.

## 画像



Western blot - Anti-Aconitase 2 antibody  
[EPR8282(B)] - BSA and Azide free (ab248277)

This data was developed using [ab129069](#), the same antibody clone in a different buffer formulation.

**Lane 1:** Wild-type HAP1 whole cell lysate (20 Åµg)

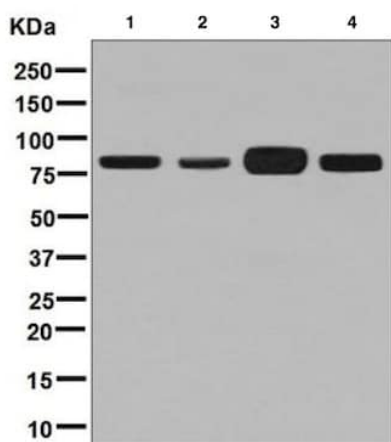
**Lane 2:** Aconitase 2 knockout HAP1 whole cell lysate (20 Åµg)

**Lane 3:** HeLa whole cell lysate (20 Åµg)

**Lane 4:** Jurkat whole cell lysate (20 Åµg)

**Lanes 1 - 4:** Merged signal (red and green). Green - [ab129069](#) observed at 90 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

[ab129069](#) was shown to specifically react with Aconitase 2 in wild-type HAP1 cells as signal was lost in Aconitase 2 knockout cells. Wild-type and Aconitase 2 knockout samples were subjected to SDS-PAGE. [ab129069](#) and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4Å°C at 1/10000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDyeÅ® 800CW) preabsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDyeÅ® 680RD) preabsorbed [ab216776](#) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Aconitase 2 antibody  
[EPR8282(B)] - BSA and Azide free (ab248277)

**All lanes :** Anti-Aconitase 2 antibody [EPR8282(B)] ([ab129069](#)) at 1/10000 dilution

**Lane 1 :** HeLa cell lysate

**Lane 2 :** K562 cell lysate

**Lane 3 :** Human fetal heart tissue lysate

**Lane 4 :** Jurkat cell lysate

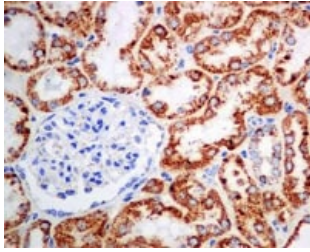
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat anti-rabbit HRP-conjugated at 1/2000 dilution

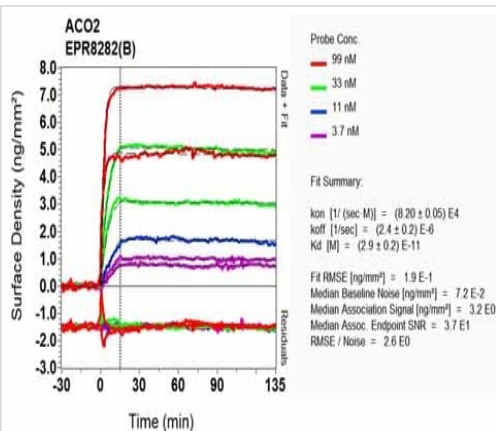
**Predicted band size:** 85 kDa

This data was developed using [ab129069](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aconitase 2 antibody [EPR8282(B)] - BSA and Azide free (ab248277)

This data was developed using [ab129069](#), the same antibody clone in a different buffer formulation. [ab129069](#), at 1/100 dilution, staining Aconitase 2 in paraffin-embedded Human kidney tissue by Immunohistochemistry. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



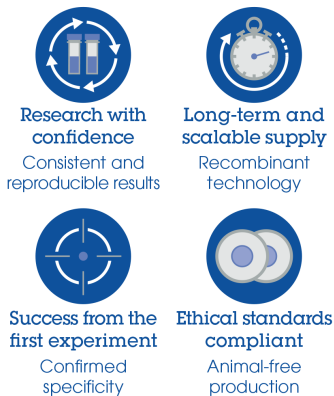
SPR Scanning - Anti-Aconitase 2 antibody [EPR8282(B)] - BSA and Azide free (ab248277)

This data was developed using [ab129069](#), the same antibody clone in a different buffer formulation. Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### Why choose a recombinant antibody?



Anti-Aconitase 2 antibody [EPR8282(B)] - BSA and Azide free (ab248277)

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

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