

## Product datasheet

# Anti-Aconitase 2 antibody ab83528

★★★★☆ 2 Abreviews 2 References 3 图像

### 概述

<b>产品名称</b>	Anti-Aconitase 2抗体
<b>描述</b>	兔多克隆抗体to Aconitase 2
<b>经测试应用</b>	<b>适用于:</b> ICC/IF, ELISA, IHC-P, WB
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human, Caenorhabditis elegans <b>预测可用于:</b> Rat, Chicken, Cow, Dog, Pig, Saccharomyces cerevisiae, Drosophila melanogaster, Zebrafish
<b>免疫原</b>	Synthetic peptide corresponding to a region within internal sequence amino acids 648-697 ( RYYKKHGIRWVIGDENYEGSSREHAALPRHLGGRAIITKSFARIHET ) of human ACO2 (NP_001089).  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	721_B cell lysate

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>存储溶液</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	Purified by peptide affinity chromatography method.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab83528** in the following tested applications.

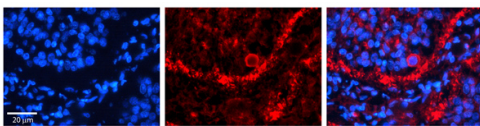
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration. ELISA titre using peptide based assay, 1:312500.
IHC-P		1/100.
WB	★★★★☆	Use a concentration of 1 µg/ml. Predicted molecular weight: 85 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## 靶标

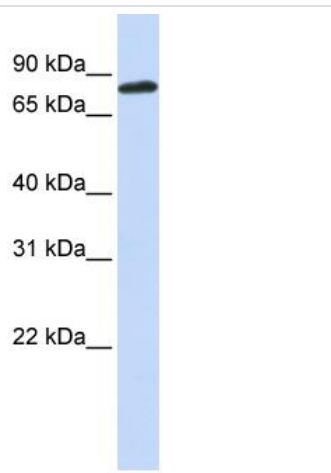
功能	Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.
通路	Carbohydrate metabolism; tricarboxylic acid cycle; isocitrate from oxaloacetate: step 2/2.
序列相似性	Belongs to the aconitase/IPM isomerase family.
细胞定位	Mitochondrion.

## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aconitase 2 antibody (ab83528)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human pineal tissue labelling Aconitase 2 with ab83528 at 1/100. A Cy3-conjugated donkey anti-rabbit IgG (1/200) was used as the secondary antibody. Positive staining shown in the cytoplasm of the cell bodies of pinealocytes and connective tissue (septum). Magnification: 20X. Exposure time: 0.5 - 2.0 seconds. Left - DAPI. Middle - Aconitase 2. Right - Merge.



Western blot - Aconitase 2 antibody (ab83528)

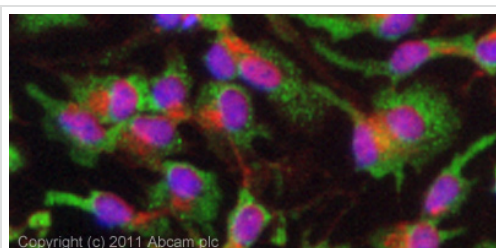
Anti-Aconitase 2 antibody (ab83528) at 1  $\mu\text{g/ml}$  (in 5% skim milk/ PBS) + 721\_B cell lysate at 10  $\mu\text{g}$

#### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size :** 85 kDa

**Observed band size :** 85 kDa



Immunocytochemistry/ Immunofluorescence-Anti-Aconitase 2 antibody(ab83528)

ICC/IF image of ab83528 stained HepG2 cells. The cells were 4% formaldehyde (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab83528, 1  $\mu\text{g/ml}$ ) overnight at +4°C. The secondary antibody (green) was [ab96899](#) Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43  $\mu\text{M}$ .

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