

# Anti-Citrate synthetase antibody [EPR8067] ab129095

**重组 RabMAb**

★★★★★ **1 Abreviews** **40 References** **11 图像**

### 概述

<b>产品名称</b>	Anti-Citrate synthetase <b>抗体</b> [EPR8067]
<b>描述</b>	兔单克隆抗体[EPR8067] to Citrate synthetase
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt (Intra), WB, IHC-P, ICC/IF
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Synthetic peptide within Human Citrate synthetase aa 400-500. The exact sequence is proprietary. Database link: <b><a href="#">O75390</a></b>
<b>阳性对照</b>	WB: Mouse small intestine tissue lysate - total protein ( <b><a href="#">ab7939</a></b> ), HepG2, Caco-2, 293T, and HeLa whole cell lysate ( <b><a href="#">ab150035</a></b> ) and mouse spleen, mouse brain and rat kidney tissue lysates. IHC-P: Human kidney, human thyroid, mouse colon and rat kidney tissues. ICC/IF: HeLa cells.
<b>常规说明</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <b><a href="#">see here</a></b> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><a href="#">RabMAb<sup>®</sup> patents</a></b> .

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
<b>存储溶液</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>纯度</b>	Protein A purified
<b>克隆</b>	单克隆

克隆编号 EPR8067  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab129095于以下的经测试应用

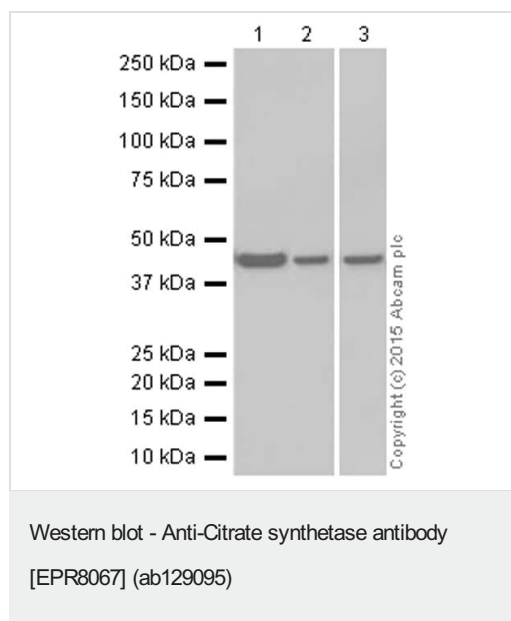
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 45 kDa (predicted molecular weight: 51 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .
ICC/IF		1/100 - 1/500.

## 靶标

**通路** Carbohydrate metabolism; tricarboxylic acid cycle; isocitrate from oxaloacetate: step 1/2.  
**序列相似性** Belongs to the citrate synthase family.  
**细胞定位** Mitochondrion matrix.

## 图片



**All lanes** : Anti-Citrate synthetase antibody [EPR8067] (ab129095) at 1/10000 dilution (purified)

**Lane 1** : HepG2 whole cell lysate

**Lane 2** : Caco-2 whole cell lysate

**Lane 3** : HeLa whole cell lysate

Lysates/proteins at 20 µg per lane.

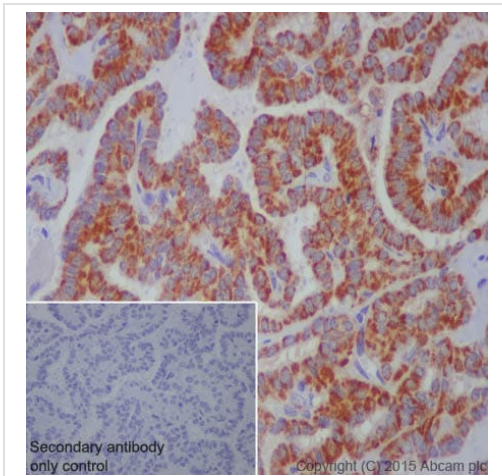
### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

**Predicted band size:** 51 kDa

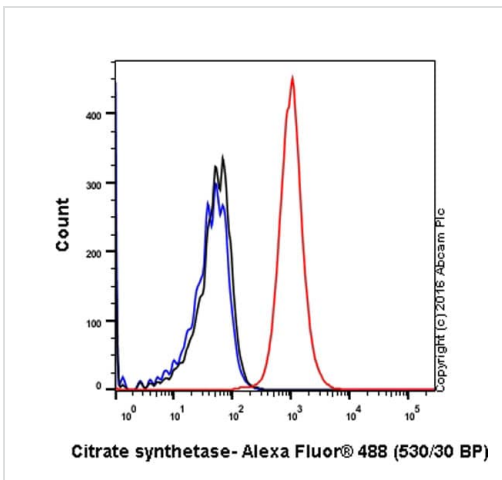
**Observed band size:** 45 kDa

Blocking and dilution buffer: 5% NFD/MTBST.



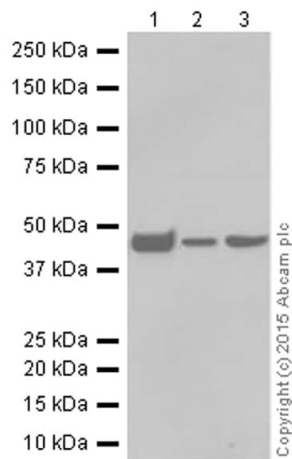
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid carcinoma tissue labelling Citrate synthetase with purified ab129095 at a dilution of 1/250. Heat mediated antigen retrieval was performed using EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody [EPR8067] (ab129095)



Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling Citrate synthetase with purified ab129095 at 1/20 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.

Flow Cytometry (Intracellular) - Anti-Citrate synthetase antibody [EPR8067] (ab129095)



Western blot - Anti-Citrate synthetase antibody [EPR8067] (ab129095)

**All lanes :** Anti-Citrate synthetase antibody [EPR8067] (ab129095) at 1/10000 dilution (purified)

**Lane 1 :** Mouse brain tissue lysate

**Lane 2 :** Mouse spleen tissue lysate

**Lane 3 :** Rat kidney tissue lysate

Lysates/proteins at 20 µg per lane.

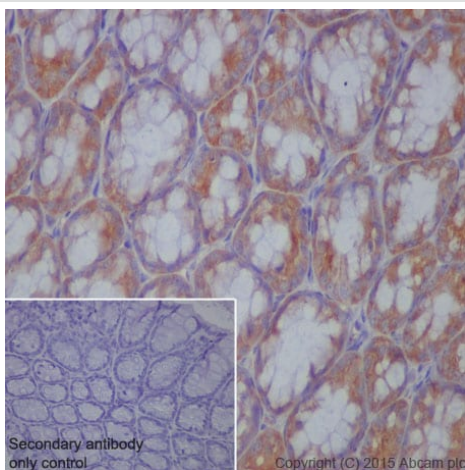
**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

**Predicted band size:** 51 kDa

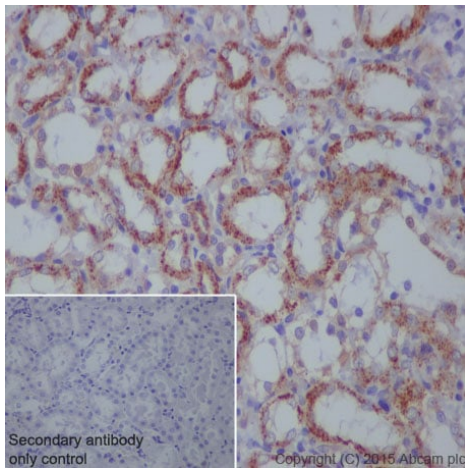
**Observed band size:** 45 kDa

Blocking and dilution buffer: 5% NFDm/TBST.



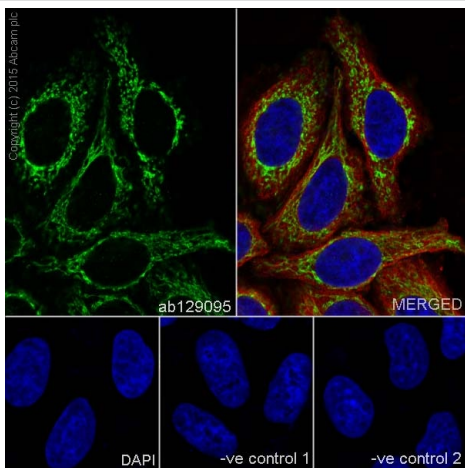
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody [EPR8067] (ab129095)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse colon tissue labelling Citrate synthetase with purified ab129095 at a dilution of 1/250. Heat mediated antigen retrieval was performed using EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody [EPR8067] (ab129095)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat kidney tissue labelling Citrate synthetase with purified ab129095 at a dilution of 1/250. Heat mediated antigen retrieval was performed using EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

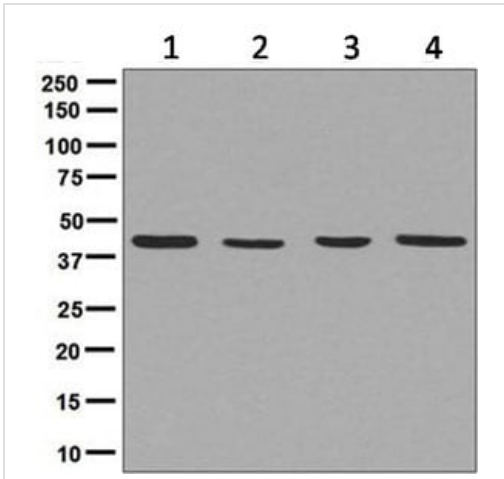


Immunocytochemistry/ Immunofluorescence - Anti-Citrate synthetase antibody [EPR8067] (ab129095)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Citrate synthetase with purified ab129095 at a dilution of 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor<sup>®</sup> 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor<sup>®</sup> 594-conjugated goat anti-mouse IgG (1/1000) were also used.

Control 1: primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor<sup>®</sup> 594-conjugated goat anti-mouse IgG (1/1000).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor<sup>®</sup> 488-conjugated goat anti-rabbit IgG (1/1000).



Western blot - Anti-Citrate synthetase antibody [EPR8067] (ab129095)

**All lanes :** Anti-Citrate synthetase antibody [EPR8067] (ab129095) at 1/1000 dilution (unpurified)

**Lane 1 :** HepG2 cell lysates

**Lane 2 :** Caco-2 cell lysates

**Lane 3 :** 293T cell lysates

**Lane 4 :** HeLa cell lysates

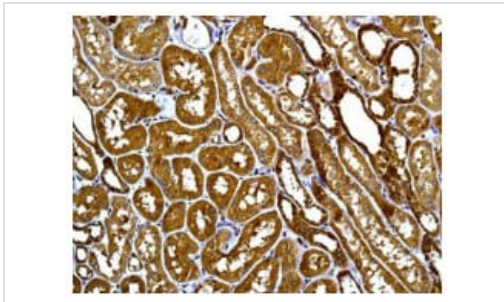
Lysates/proteins at 10 µg per lane.

### Secondary

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

**Predicted band size:** 51 kDa

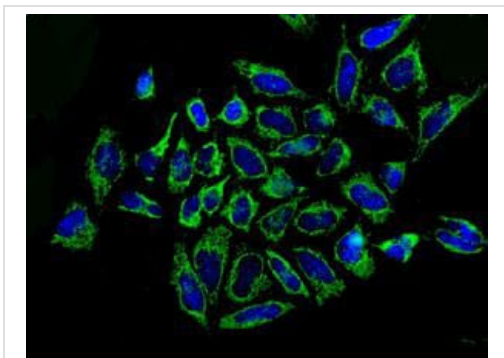
**Observed band size:** 51 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody [EPR8067] (ab129095)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling Citrate synthetase with unpurified ab129095 at a dilution of 1/250.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Citrate synthetase antibody [EPR8067] (ab129095)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Citrate synthetase with unpurified ab129095 at a dilution of 1/250.

### Why choose a recombinant antibody?



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Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Citrate synthetase antibody [EPR8067]  
(ab129095)

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