

# Anti-Choline Acetyltransferase antibody [EPR16590] ab178850

**重组** RabMAb

★★★★★ **6 Abreviews** **39 References** **8 图像**

### 概述

产品名称	Anti-Choline Acetyltransferase抗体[EPR16590]
描述	兔单克隆抗体[EPR16590] to Choline Acetyltransferase
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat, Rabbit, Guinea pig
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Rat brain lysate; Rabbit brain lysate; Guinea Pig brain and cerebellum lysates. IHC-P: Mouse cerebral cortex tissue, Guinea Pig cerebral cortex tissue,
常规说明	<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>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR16590
同种型	IgG

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab178850于以下的经测试应用

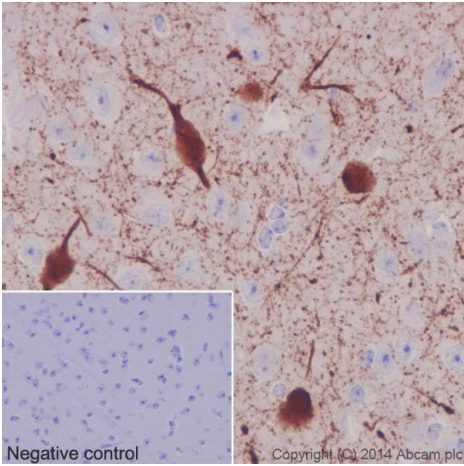
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/1000. Detects a band of approximately 72 kDa (predicted molecular weight: 72 kDa).
IHC-P	★★★★★ (2)	1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

靶标

功能	Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.
疾病相关	Myasthenic syndrome, congenital, 6, presynaptic
序列相似性	Belongs to the carnitine/choline acetyltransferase family.

图片



Negative control

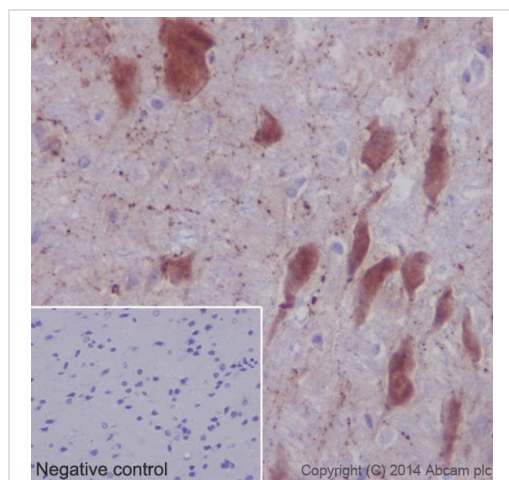
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850)

Immunohistochemical analysis of paraffin-embedded Guinea Pig cerebral cortex tissue labeling Choline Acetyltransferase with ab178850 at 1/2000 followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Nucleus and cytoplasm staining on neurons of Guinea Pig cerebral cortex is observed. Counter stained with Hematoxylin.

Negative control: Using PBS instead of primary ab, secondary ab is prediluted HRP Polymer for Rabbit/Mouse IgG.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

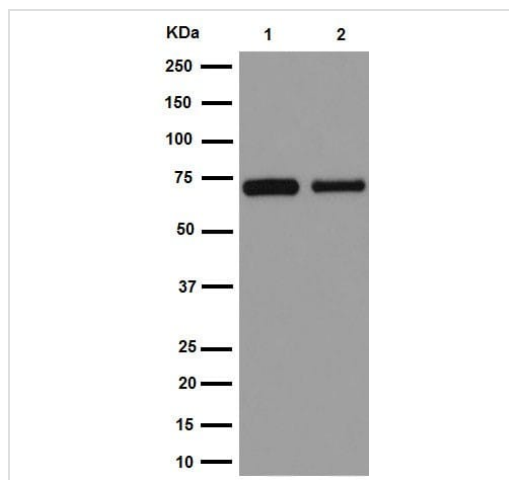


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850)

Immunohistochemical analysis of paraffin-embedded Mouse cerebral cortex tissue labeling Choline Acetyltransferase with ab178850 at 1/2000 followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Nucleus and cytoplasm staining on neurons of Mouse cerebral cortex is observed. Counter stained with Hematoxylin.

Negative control: Using PBS instead of primary ab, secondary ab is prediluted HRP Polymer for Rabbit/Mouse IgG.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850)

**All lanes** : Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850) at 1/5000 dilution

**Lane 1** : Guinea Pig brain lysate

**Lane 2** : Guinea Pig cerebellum lysate

Lysates/proteins at 20 µg per lane.

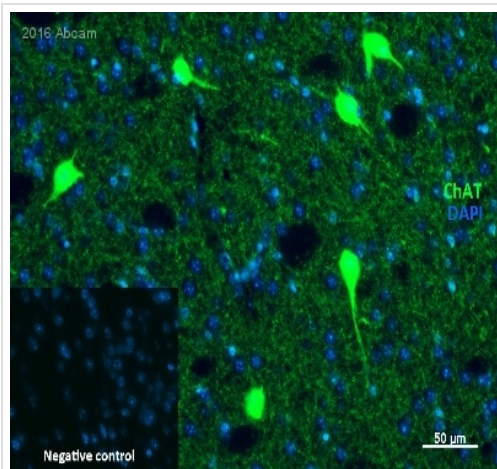
#### Secondary

**All lanes** : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 72 kDa

**Observed band size:** 72 kDa

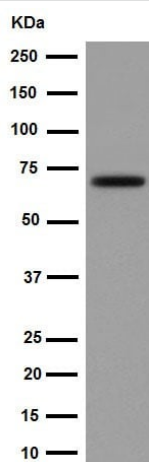
Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850)

This image is courtesy of an anonymous abreview.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse brain tissue sections labeling Choline Acetyltransferase with ab178850 at 1/2000 dilution. Cells were fixed in 10% normal buffered formalin, heat mediated antigen retrieval was performed using TE pH9. A donkey anti-rabbit Alexa Fluor 647 was used as the secondary antibody at 1/300 dilution. Green was a false colour used to represent the Alexa Fluor 647 fluorescent signal.



Western blot - Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850)

Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850) at 1/1000 dilution + Rabbit brain lysate at 10 μg

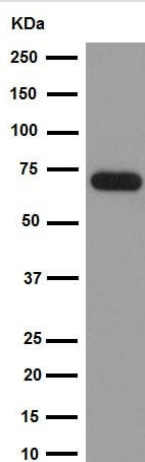
#### Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 72 kDa

**Observed band size:** 72 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850)

Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850) at 1/1000 dilution + Rat brain lysate at 10 µg

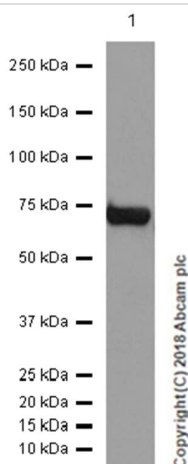
#### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 72 kDa

**Observed band size:** 72 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850)

Anti-Choline Acetyltransferase antibody [EPR16590] (ab178850) at 1/2000 dilution + Mouse brain tissue lysate at 20 µg with 5% NFDM/TBST

#### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 72 kDa

**Observed band size:** 72 kDa

**Exposure time:** 3 minutes

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Choline Acetyltransferase antibody [EPR16590]  
(ab178850)

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