

# Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1 antibody [EP2067Y] ab76159

**重组 RabMAb**

## 2 References 4 图像

### 概述

<b>产品名称</b>	Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1抗体[EP2067Y]
<b>描述</b>	兔单克隆抗体[EP2067Y] to Nicotinic Acetylcholine Receptor beta/CHRNA1
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> WB <b>不适用于:</b> Flow Cyt, ICC/IF, IHC-P or IP
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>阳性对照</b>	WB: Human, mouse and rat brain lysates.
<b>常规说明</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 <a href="#">RabMAb<sup>®</sup> patents</a> .  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.  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

### 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. Avoid freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>纯度</b>	Protein A purified
<b>克隆</b>	单克隆

克隆编号 EP2067Y

同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab76159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		1/1000 - 1/2000. Predicted molecular weight: 57 kDa.

应用说明 Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

## 靶标

**功能** After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.

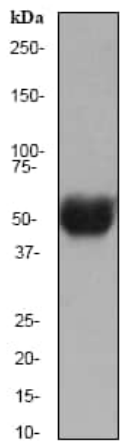
**疾病相关** Defects in CHRN1 are a cause of congenital myasthenic syndrome slow-channel type (SCCMS) [MIM:601462]. SCCMS is the most common congenital myasthenic syndrome. Congenital myasthenic syndromes are characterized by muscle weakness affecting the axial and limb muscles (with hypotonia in early-onset forms), the ocular muscles (leading to ptosis and ophthalmoplegia), and the facial and bulbar musculature (affecting sucking and swallowing, and leading to dysphonia). The symptoms fluctuate and worsen with physical effort. SCCMS is caused by kinetic abnormalities of the AChR, resulting in prolonged endplate currents and prolonged AChR channel opening episodes.

Defects in CHRN1 are a cause of congenital myasthenic syndrome with acetylcholine receptor deficiency (ACHRDCMS) [MIM:608931]. ACHRDCMS is a post-synaptic congenital myasthenic syndrome. Mutations underlying AChR deficiency cause a 'loss of function' and show recessive inheritance.

**序列相似性** Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Beta-1/CHRN1 sub-subfamily.

**细胞定位** Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

## 图片



Western blot - Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1 antibody [EP2067Y] (ab76159)

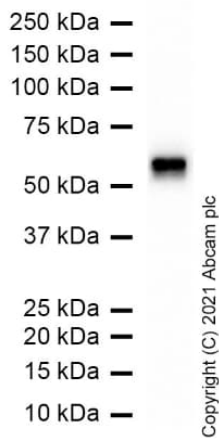
Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1 antibody [EP2067Y] (ab76159) at 1/1000 dilution + Human brain lysate at 10 µg

**Secondary**

Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa



Western blot - Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1 antibody [EP2067Y] (ab76159)

Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1 antibody [EP2067Y] (ab76159) at 1/1000 dilution + Mouse brain lysate

**Secondary**

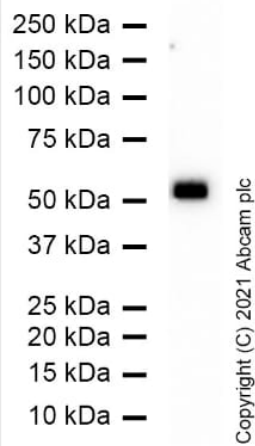
Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa

**Exposure time:** 5 seconds

Blocking and diluting buffer and concentration: 5% NFDN/TBST



Western blot - Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1 antibody [EP2067Y] (ab76159)

Anti-Nicotinic Acetylcholine Receptor beta/CHRNA1 antibody [EP2067Y] (ab76159) at 1/1000 dilution + Rat brain lysate

**Secondary**

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa

**Exposure time:** 5 seconds

Blocking and diluting buffer and concentration: 5% NFD/MTBST

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

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