Product datasheet

# Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 antibody [EP2067Y] ab76159

リコンビナント RabMAb

**2 References** 画像数 4

## 製品の概要

| | |
|---|---|
| **製品名** | Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 antibody [EP2067Y] |
| **製品の詳細** | Rabbit monoclonal [EP2067Y] to Nicotinic Acetylcholine Receptor beta/CHRNB1 |
| **由来種** | Rabbit |
| **アプリケーション** | **適用あり:** WB<br>**適用なし:** Flow Cyt,ICC/IF,IHC-P or IP |
| **種交差性** | **交差種:** Mouse, Rat, Human |
| **免疫原** | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| **ポジティブ・コントロール** | WB: Human, mouse and rat brain lysates. |
| **特記事項** | Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.<br><br>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.<br><br>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 |

## 製品の特性

| | |
|---|---|
| **製品の状態** | Liquid |
| **保存方法** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **バッファー** | pH: 7.20<br>Preservative: 0.05% Sodium azide<br>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant |
| **精製度** | Protein A purified |
| **ポリ/モノ** | モノクローナル |

| | |
|---|---|
| **クローン名** | EP2067Y |
| **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ab76159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検討ください。**

| アプリケーション | Abreviews | 特記事項 |
|---|---|---|
| **WB** | | 1/1000 - 1/2000. Predicted molecular weight: 57 kDa. |

**追加情報** Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

## ターゲット情報

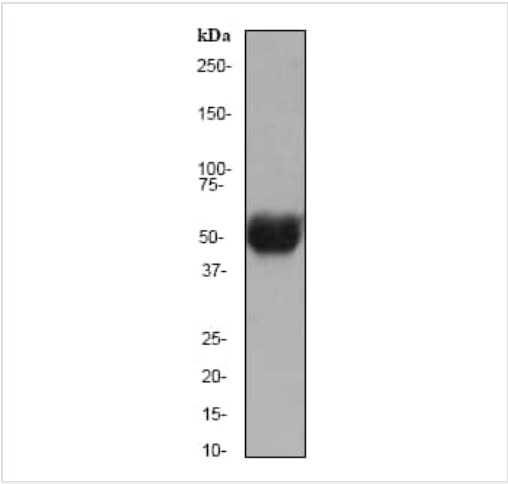
**機能** After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.

**関連疾患** Defects in CHRNB1 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 CHRNB1 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.

**配列類似性** Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Beta-1/CHRNB1 sub-subfamily.

**細胞内局在** Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

## 画像




Western blot - Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 antibody [EP2067Y] (ab76159)

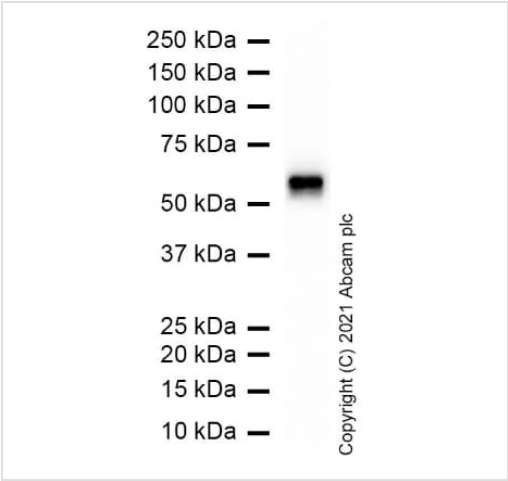
Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 antibody [EP2067Y] (ab76159) at 1/1000 dilution + Human brain lysate at 10 µg

**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/CHRNB1 antibody [EP2067Y] (ab76159)

Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 antibody [EP2067Y] (ab76159) at 1/1000 dilution + Mouse brain lysate

**Secondary**

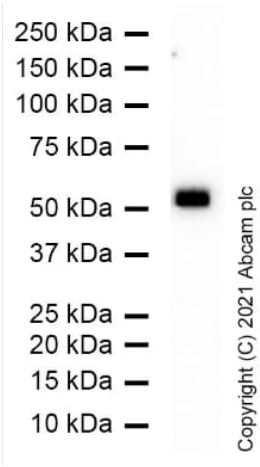
Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa

**Exposure time:** 5 seconds

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




Western blot - Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 antibody [EP2067Y] (ab76159)

Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 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% NFDM/TBST


Anti-Nicotinic Acetylcholine Receptor beta/CHRNB1 antibody [EP2067Y] (ab76159)



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