Overview

Product name: Anti-Choline Acetyltransferase antibody
Description: Rabbit polyclonal to Choline Acetyltransferase
Host species: Rabbit
Tested applications: Suitable for: WB, ICC/IF
Species reactivity: Reacts with: Mouse, Human
Immunogen: Synthetic peptide corresponding to Human Choline Acetyltransferase. (From the N-terminal to the mid-protein).
Database link: P28329

Properties

Form: Liquid
Storage buffer: Preservative: 0.09% Sodium azide
Constituents: 50% Glycerol, PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab223346 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/1000. Predicted molecular weight: 83 kDa.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>1/100.</td>
</tr>
<tr>
<td>Target</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Function</strong></td>
<td>Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.</td>
<td></td>
</tr>
<tr>
<td><strong>Involvement in disease</strong></td>
<td>Myasthenic syndrome, congenital, 6, presynaptic</td>
<td></td>
</tr>
<tr>
<td><strong>Sequence similarities</strong></td>
<td>Belongs to the carnitine/choline acetyltransferase family.</td>
<td></td>
</tr>
</tbody>
</table>

**Images**

- **Immunocytochemistry/ Immunofluorescence** - Anti-Choline Acetyltransferase antibody (ab223346)
  - 4% formaldehyde-fixed SK-N-BE cells stained for Choline Acetyltransferase (green) using ab223346 at 1/100 dilution in ICC/IF.
  - Secondary: Goat Anti-Rabbit ATTO 488 at 1/100 for 60 minutes at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1/1000, 1/5000 for 60 minutes RT, 5 minutes RT.
  - (A) DAPI nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ab223346 (D) Merge.

- **Western blot** - Anti-Choline Acetyltransferase antibody (ab223346) at 1/1000 dilution + Mouse brain lysate at 20 µg
  - **Secondary**
    - Goat Anti-Rabbit: HRP at 1/2000 dilution
  - **Predicted band size**: 83 kDa
  - Blocking: 5% milk + TBST for 1 hour at RT.
  - Color Development: TMB solution for 12 minutes at RT.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [http://www.abcam.com/abpromise](http://www.abcam.com/abpromise) or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors