

## Product datasheet

# Anti-Acetylcholinesterase antibody [12B4] ab23455

### 2 References

#### Overview

---

<b>Product name</b>	Anti-Acetylcholinesterase antibody [12B4]
<b>Description</b>	Mouse monoclonal [12B4] to Acetylcholinesterase
<b>Host species</b>	Mouse
<b>Specificity</b>	ab23455 has specificity for human acetylcholinesterase. No cross-reaction is seen with human BtChE. ab23455 reacts with both G2-and G4-AChE (native detergent soluble) in ELISA and EAIA using the antibody as capture antibody. Ab23455 reacts 17 times stronger with human brain AChE than with human erythrocyte AChE.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Does not react with:</b> Torpedo
<b>Immunogen</b>	Full length protein corresponding to Human Acetylcholinesterase. Purified and detergent solubilized. Database link: <a href="#">P22303</a>

#### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: 0.0268% PBS, 2.9% Sodium chloride
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	12B4
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

#### Applications

---

Our [Abpromise guarantee](#) covers the use of **ab23455** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.
WB		Use at an assay dependent dilution. Predicted molecular weight: 68 kDa.

## Target

<b>Function</b>	Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft. Role in neuronal apoptosis.
<b>Tissue specificity</b>	Isoform H is highly expressed in erythrocytes.
<b>Sequence similarities</b>	Belongs to the type-B carboxylesterase/lipase family.
<b>Cellular localization</b>	Cell membrane; Cell junction > synapse. Secreted. Cell membrane and Nucleus. Only observed in apoptotic nuclei.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## 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 <https://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