


## Product datasheet

# Anti-Acetylcholinesterase antibody ab31276

★★★★☆ 4 Abreviews 13 References 3 Images

### Overview

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<b>Product name</b>	Anti-Acetylcholinesterase antibody
<b>Description</b>	Goat polyclonal to Acetylcholinesterase
<b>Host species</b>	Goat
<b>Specificity</b>	This antibody is expected to recognise isoform NP_000656 only (the ubiquitously expressed, hydrophilic form).
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat, Rabbit, Cow, Cat 
<b>Immunogen</b>	Synthetic peptide: QFDHYSKQDRCSL , corresponding to C terminal amino acids 601-614 of Human Acetylcholinesterase <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human fibroblast cell lines A431 and HeLa lysates. Human cerebellum lysates.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

### Properties

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<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: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

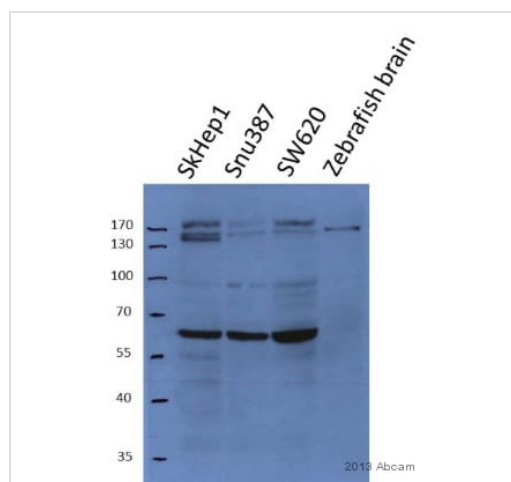
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab31276 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>	★★★★☆ (3)	Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 70 kDa (predicted molecular weight: 68 kDa). 1 hour primary incubation is recommended for this product.

## 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.

## Images



Western blot - Anti-Acetylcholinesterase antibody (ab31276)

This image is courtesy of an Abreview submitted by Ender Avci

**All lanes** : Anti-Acetylcholinesterase antibody (ab31276) at 1/200 dilution

**Lane 1** : SkHep1 cell lysate

**Lane 2** : Snu387 cell lysate

**Lane 3** : SW620 cell lysate

**Lane 4** : Zebrafish brain lysate

Lysates/proteins at 50 µg per lane.

### Secondary

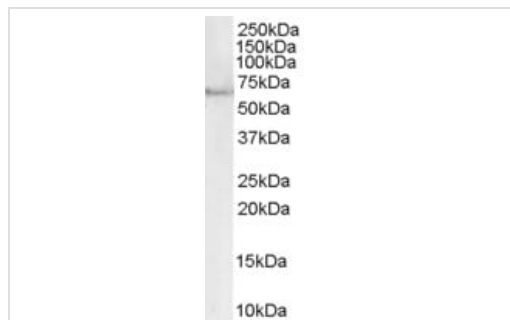
**All lanes** : HRP-conjugated Rabbit anti-goat IgG polyclonal at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 68 kDa

**Exposure time:** 20 minutes



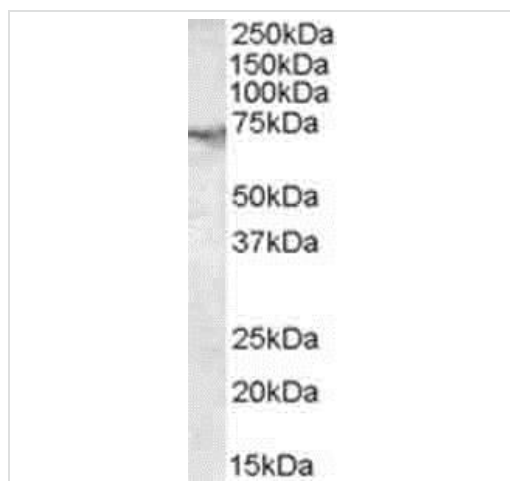
Western blot - Anti-Acetylcholinesterase antibody (ab31276)

Anti-Acetylcholinesterase antibody (ab31276) at 0.1 µg/ml + Human Fibroblast A431 lysate (35µg protein in RIPA buffer)

**Predicted band size:** 68 kDa

**Observed band size:** 60-70 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.



Western blot - Anti-Acetylcholinesterase antibody (ab31276)

Anti-Acetylcholinesterase antibody (ab31276) at 1 µg/ml + human cerebellum lysate (35µg protein in RIPA buffer).

**Predicted band size:** 68 kDa

**Observed band size:** 70 kDa

Primary incubation was 1 hour.

Detected by chemiluminescence.

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

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