


Product datasheet

Anti-Acetylcholinesterase antibody ab31276

★★★★☆ 3 Abreviews 6 References 3 Images

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab31276** in the following tested applications.

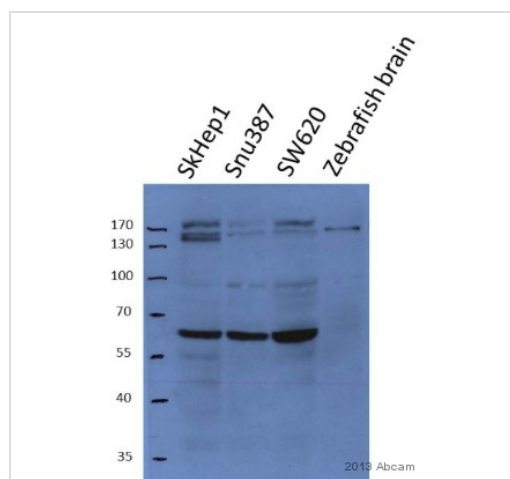
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆	Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 70 kDa (predicted molecular weight: 68 kDa).

Target

Function	Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft. Role in neuronal apoptosis.
Tissue specificity	Isoform H is highly expressed in erythrocytes.
Sequence similarities	Belongs to the type-B carboxylesterase/lipase family.
Cellular localization	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

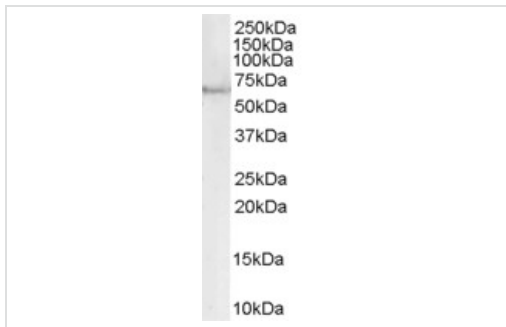
All lanes : HRP-conjugated Rabbit anti-goat IgG polyclonal at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 68 kDa

Exposure time: 20 minutes



Western blot - Anti-Acetylcholinesterase antibody (ab31276)

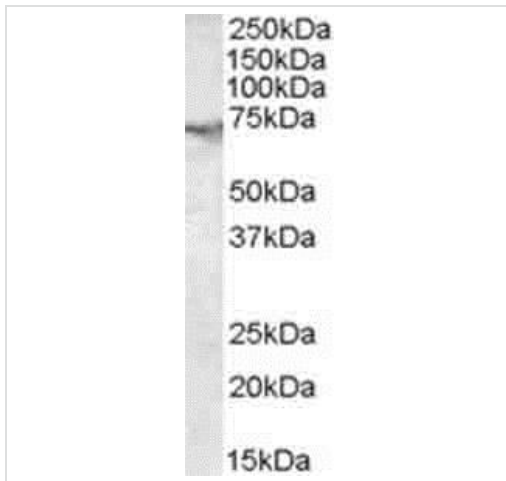
Anti-Acetylcholinesterase antibody (ab31276) at 0.1 µg/ml + Human Fibroblast A431 lysate (35µg protein in RIPA buffer)

Predicted band size: 68 kDa

Observed band size: 60-70 kDa

[why is the actual band size different from the predicted?](#)

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 [why is the actual band size different from the predicted?](#)

Primary incubation was 1 hour.

Detected by chemiluminescence.

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