


Anti-Acetylcholinesterase antibody ab97299

[1 References](#) [10 Images](#)

Overview

Product name	Anti-Acetylcholinesterase antibody
Description	Rabbit polyclonal to Acetylcholinesterase
Host species	Rabbit
Tested applications	Suitable for: IHC-Fr, WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow, Cat, Monkey 
Immunogen	Recombinant fragment corresponding to Human Acetylcholinesterase aa 406-610. Database link: P22303
Positive control	ICC/IF: HeLa IHC-Fro: E13.5 rat brain. IHC-P: Rat fore brain and brain, mouse colon and brain. WB: Raji cells, mouse and rat brain. Mouse lung.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97299 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
IHC-Fr		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 68 kDa.
ICC/IF		1/100 - 1/200.
IHC-P		1/100 - 1/1000.

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.

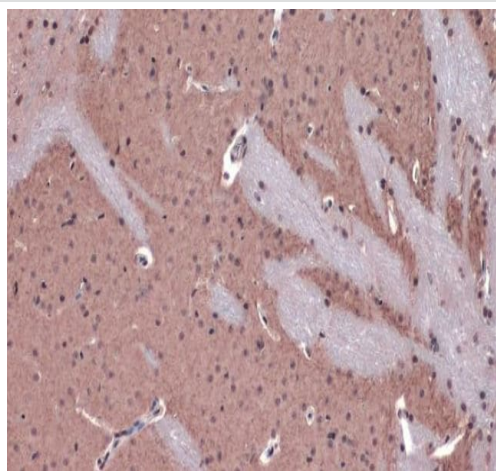
Sequence similarities

Belongs to the type-B carboxylesterase/lipase family.

Cellular localization

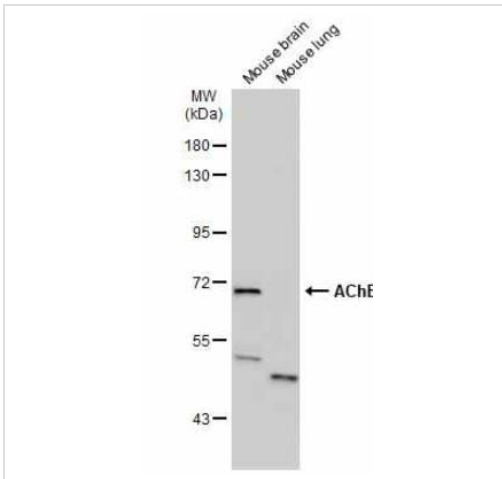
Cell membrane; Cell junction > synapse. Secreted. Cell membrane and Nucleus. Only observed in apoptotic nuclei.

Images



Paraffin embedded mouse brain tissue stained for AChE using ab97299 at 1/1000 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody (ab97299)



Western blot - Anti-Acetylcholinesterase antibody (ab97299)

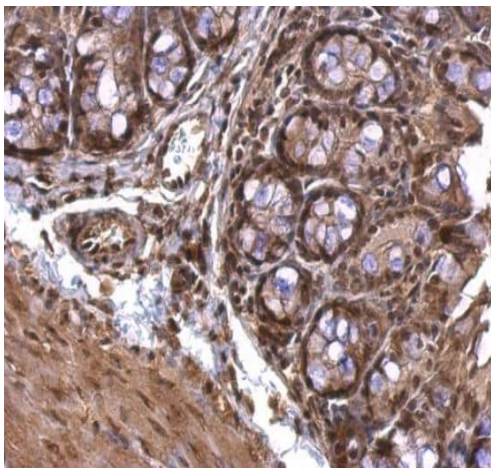
All lanes : Anti-Acetylcholinesterase antibody (ab97299) at 1/500 dilution

Lane 1 : Mouse brain

Lane 2 : Mouse lung

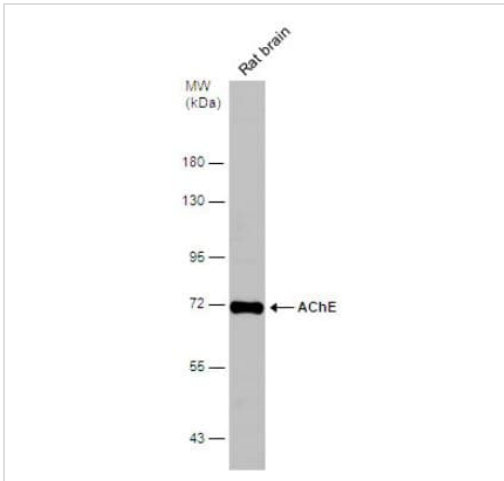
Lysates/proteins at 50 µg per lane.

Predicted band size: 68 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody (ab97299)

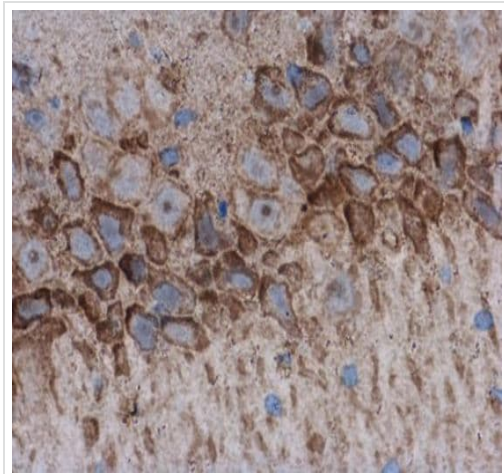
Paraffin embedded mouse colon tissue stained for AChE using ab97299 at 1/1000 dilution in immunohistochemical analysis.



Western blot - Anti-Acetylcholinesterase antibody (ab97299)

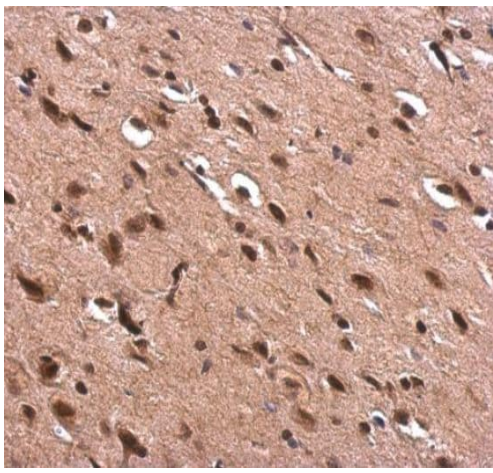
Anti-Acetylcholinesterase antibody (ab97299) at 1/500 dilution + Rat brain at 50 μ g

Predicted band size: 68 kDa



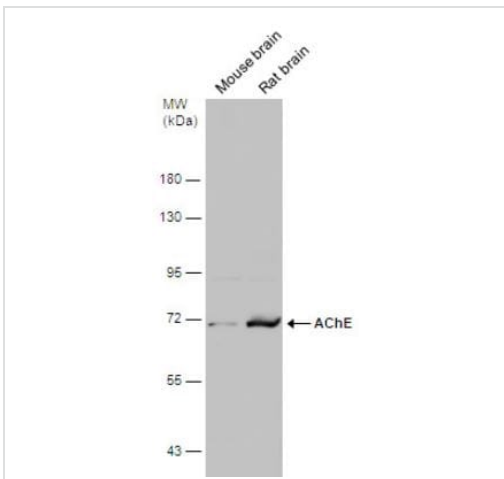
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody (ab97299)

Paraffin embedded rat brain tissue stained for AChE using ab97299 at 1/1000 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody (ab97299)

Paraffin embedded rat fore brain tissue stained for AChE using ab97299 at 1/1000 dilution in immunohistochemical analysis.



Western blot - Anti-Acetylcholinesterase antibody (ab97299)

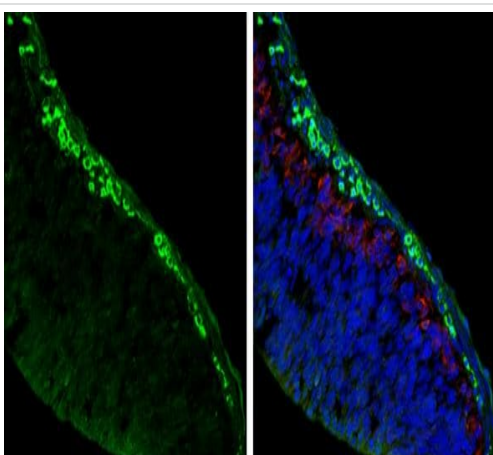
All lanes : Anti-Acetylcholinesterase antibody (ab97299) at 1/500 dilution

Lane 1 : Mouse Brain lysate

Lane 2 : Rat brain lysate

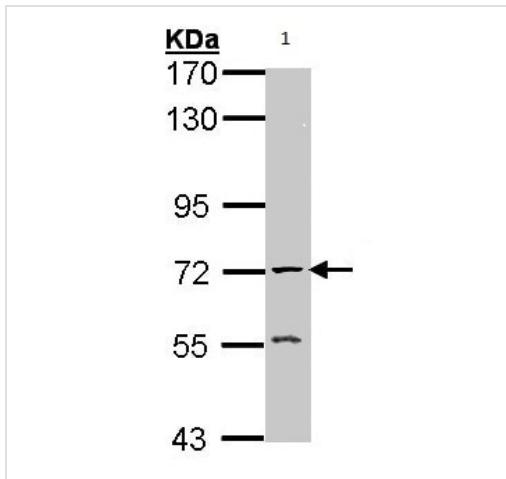
Lysates/proteins at 50 µg per lane.

Predicted band size: 68 kDa



Immunohistochemistry (Frozen sections) - Anti-Acetylcholinesterase antibody (ab97299)

Frozen sectioned E13.5 rat brain tissue stained for AChE using ab97299 at 1/1000 dilution in immunohistochemical analysis.

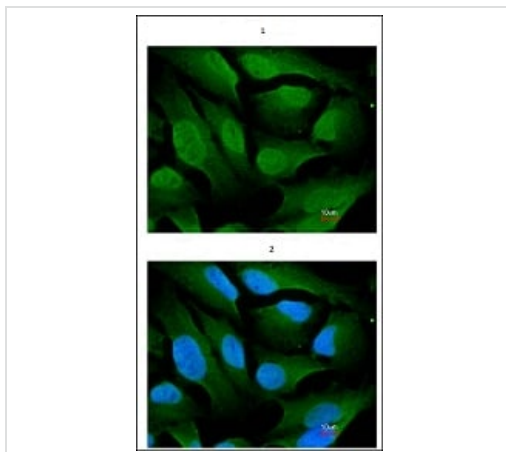


Anti-Acetylcholinesterase antibody (ab97299) at 1/1000 dilution +
Raji whole cell lysate at 30 μ g

Predicted band size: 68 kDa

7.5% SDS PAGE

Western blot - Anti-Acetylcholinesterase antibody
(ab97299)



Immunofluorescence analysis of paraformaldehyde-fixed HeLa,
using ab97299 (1) and merged with DNA probe (2) at 1/200
dilution.

Immunocytochemistry/ Immunofluorescence - Anti-
Acetylcholinesterase antibody (ab97299)

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