

Product datasheet

Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free ab240274

Recombinant RabMAb

7 Images

Overview

Product name	Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free
Description	Rabbit monoclonal [EPR18978] to Acetylcholinesterase - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-Fr, IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab240274 is the carrier-free version of ab183591.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18978
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab240274 in the following tested applications.

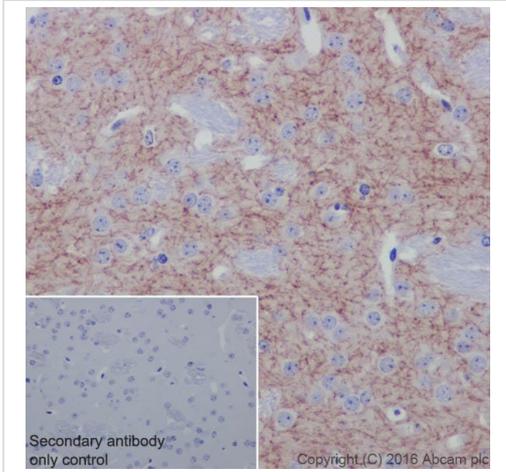
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).
IHC-Fr		Use at an assay dependent concentration. Antigen retrieval step: Heated citrate solution (10mM citrate pH 6.0 + 0.05% Tween-20)
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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



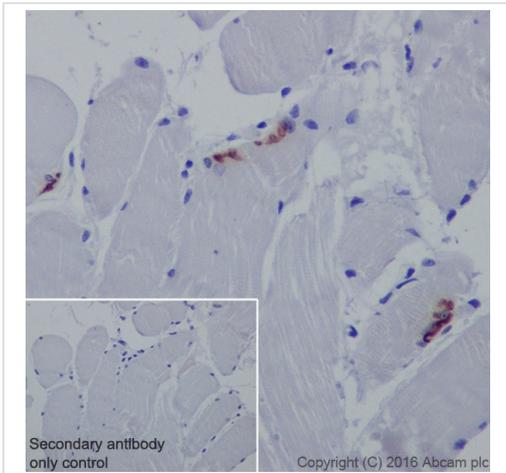
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free (ab240274)

Immunohistochemical analysis of paraffin-embedded Mouse striatum tissue labeling Acetylcholinesterase with [ab183591](#) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Membrane staining on Mouse striatum is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab183591](#)).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



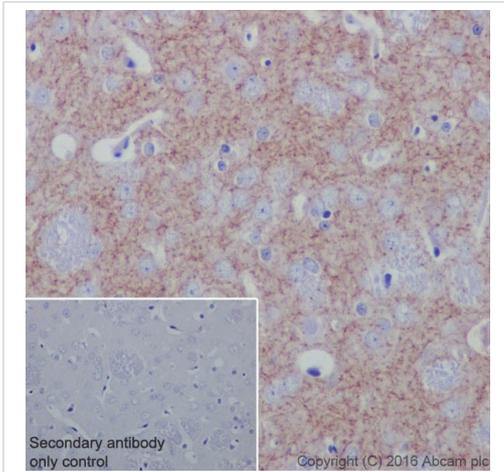
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free (ab240274)

Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle tissue labeling Acetylcholinesterase with [ab183591](#) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on neuromuscular junction of Mouse skeletal muscle is observed. Counter stained with Hematoxylin.

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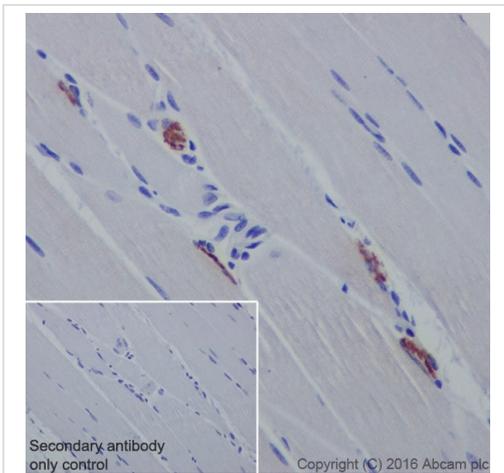
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free (ab240274)

Immunohistochemical analysis of paraffin-embedded Rat striatum tissue labeling Acetylcholinesterase with [ab183591](#) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Membrane staining on Rat striatum is observed. Counter stained with Hematoxylin.

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Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



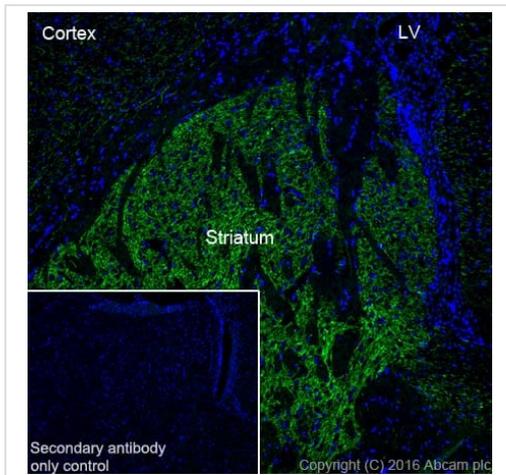
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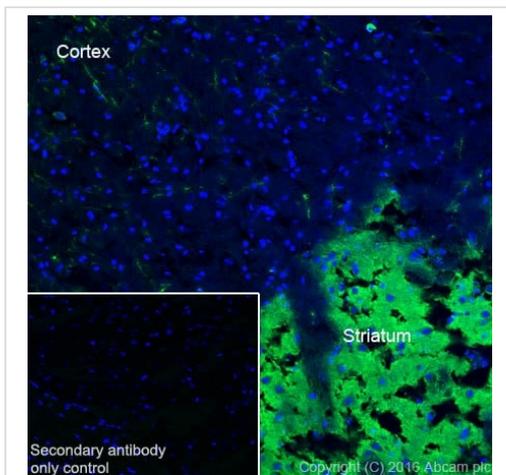


Immunohistochemistry (Frozen sections) - Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free (ab240274)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen Mouse brain (Coronal section) tissue labeling Acetylcholinesterase with [ab183591](#) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). The result showed high expression on Mouse striatum. The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab150077](#) at 1/1000 dilution

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab183591](#)).



Immunohistochemistry (Frozen sections) - Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free (ab240274)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen Rat brain (sagittal section) tissue labeling Acetylcholinesterase with [ab183591](#) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). The result showed high expression on Rat striatum. The nuclear counterstain is DAPI (blue).

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This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab183591](#)).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Acetylcholinesterase antibody [EPR18978] -
BSA and Azide free (ab240274)

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

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