

Product datasheet

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

Recombinant RabMAb

[6 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 within Mouse Acetylcholinesterase aa 50-150. The exact sequence is proprietary. Database link: P21836
General notes	<p>The formulation and the concentration of this product is compatible for metal-conjugation for mass cytometry (CyTOF®).</p> <p>ab240274 is a PBS-only buffer format of ab183591. Please refer to ab183591 for recommended dilutions, protocols, and image data.</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>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> <p>This product is a recombinant rabbit monoclonal antibody.</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 long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR18978
Isotype	IgG

Applications

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

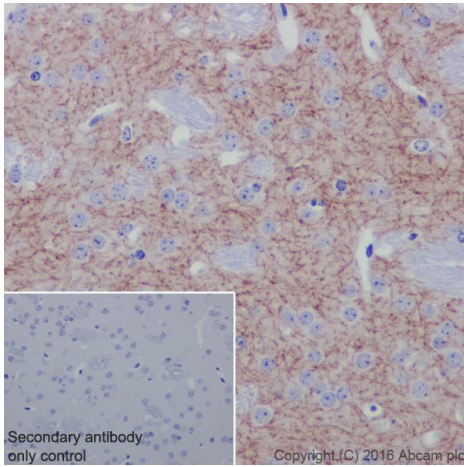
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

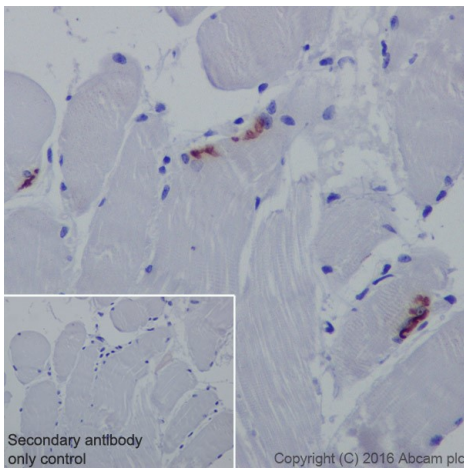


Immunohistochemical analysis of paraffin-embedded Mouse striatum tissue labeling Acetylcholinesterase with [ab183591](#) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Membrane staining on Mouse striatum is observed. Counter stained with Hematoxylin.

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](#)).

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

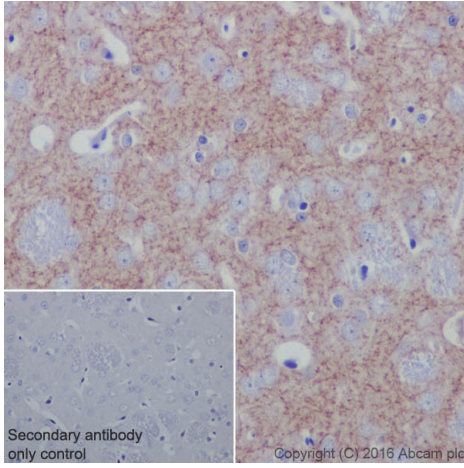


Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle tissue labeling Acetylcholinesterase with [ab183591](#) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on neuromuscular junction of Mouse skeletal muscle is observed.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

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

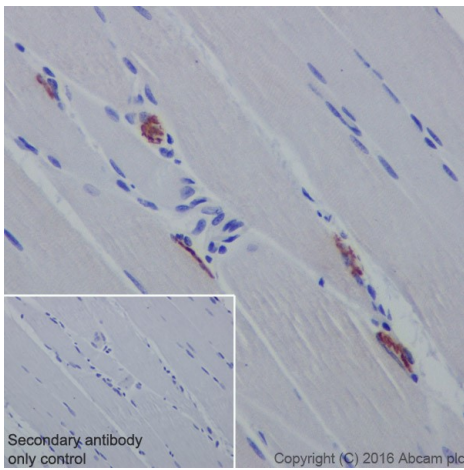


Immunohistochemical analysis of paraffin-embedded Rat striatum tissue labeling Acetylcholinesterase with [ab183591](#) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Membrane staining on Rat striatum is observed. Counter stained with Hematoxylin.

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](#)).

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

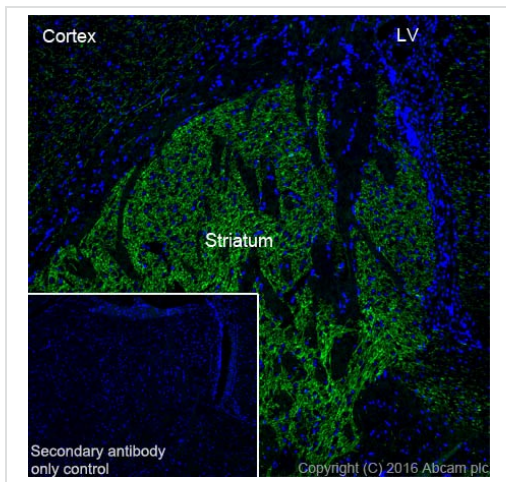


Immunohistochemical analysis of paraffin-embedded Rat skeletal muscle tissue labeling Acetylcholinesterase with [ab183591](#) at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on neuromuscular junction of Rat skeletal muscle is observed.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

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

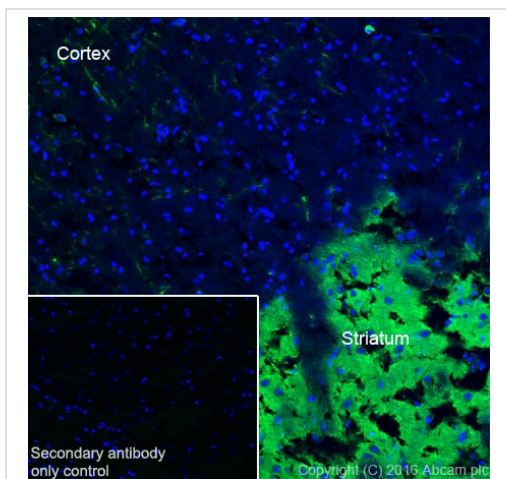


Immunohistochemistry (Frozen sections) - Anti-Acetylcholinesterase antibody [EPR18978] - BSA and Azide free (ab240274)

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).

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](#)).

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