

Anti-Acetylcholinesterase antibody [EPR18978] ab183591

リコンビナント **RabMAb**

9 References [画像数 9](#)

製品の概要

製品名	Anti-Acetylcholinesterase antibody [EPR18978]
製品の詳細	Rabbit monoclonal [EPR18978] to Acetylcholinesterase
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, IHC-Fr
種交差性	交差種: Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Mouse brain and striatum lysates; rat striatum, hippocampus and brain lysates. IHC-P: Mouse striatum and skeletal muscle tissues; rat striatum and skeletal muscle tissues. IHC-Fr: Mouse brain (Coronal section) and rat brain (sagittal section) tissues.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR18978

アイソタイプIgG

アプリケーション

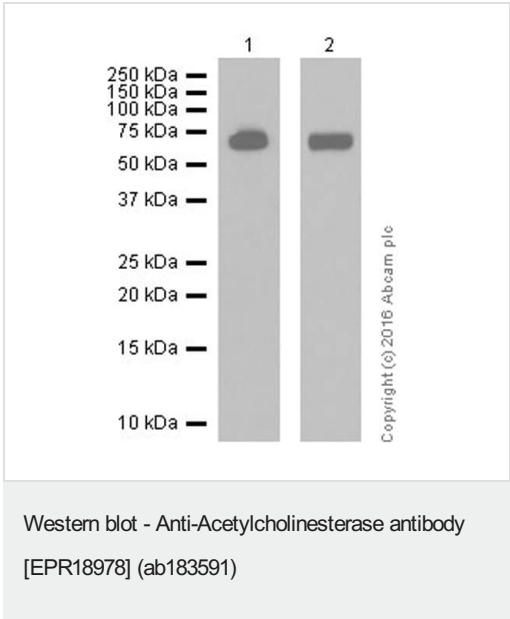
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab183591の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/1000. Antigen retrieval step: Heated citrate solution (10mM citrate pH 6.0 + 0.05% Tween-20)

ターゲット情報

機能	Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft. Role in neuronal apoptosis.
組織特異性	Isoform H is highly expressed in erythrocytes.
配列類似性	Belongs to the type-B carboxylesterase/lipase family.
細胞内局在	Cell membrane; Cell junction > synapse. Secreted. Cell membrane and Nucleus. Only observed in apoptotic nuclei.

画像



All lanes : Anti-Acetylcholinesterase antibody [EPR18978] (ab183591) at 1/1000 dilution

Lane 1 : Mouse brain lysate
Lane 2 : Mouse striatum lysate

Lysates/proteins at 20 µg per lane.

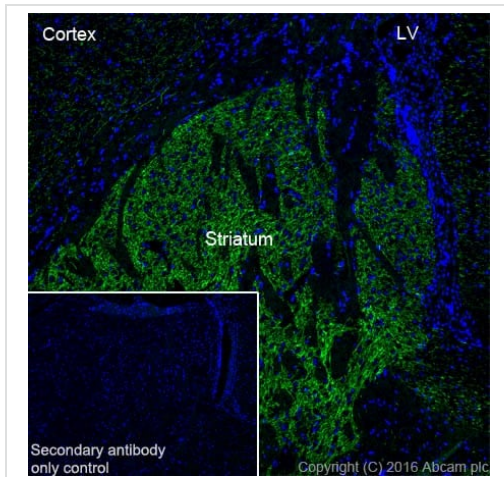
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 68 kDa
Observed band size: 68 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1: 30 seconds, Lane 2: 3 minutes.

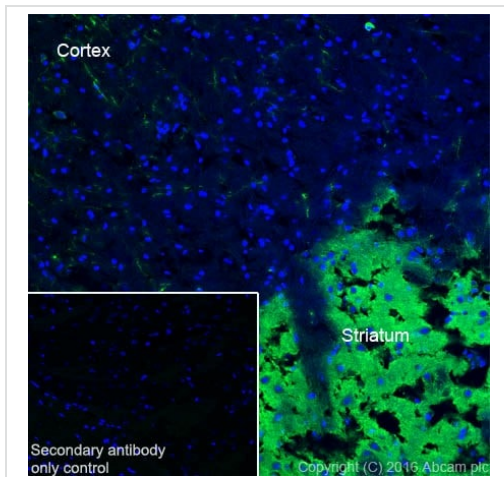
Acetylcholinesterase hydrolyzes the acetylcholine at neuromuscular junctions and brain cholinergic synapses, and thus terminates signal transmission (PMID: 2400605; PMID 8515842).



Immunohistochemistry (Frozen sections) - Anti-Acetylcholinesterase antibody [EPR18978] (ab183591)

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).

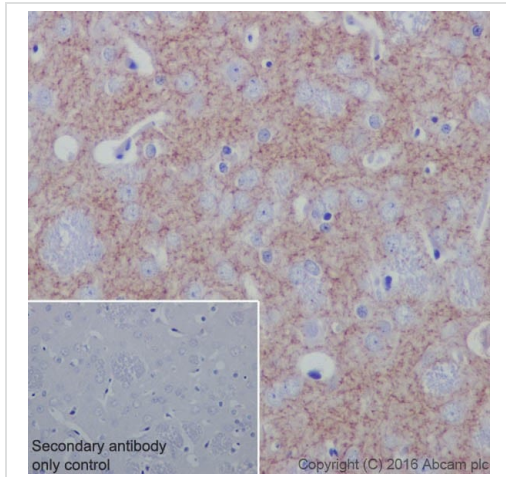
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab150077** at 1/1000 dilution



Immunohistochemistry (Frozen sections) - Anti-Acetylcholinesterase antibody [EPR18978] (ab183591)

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.

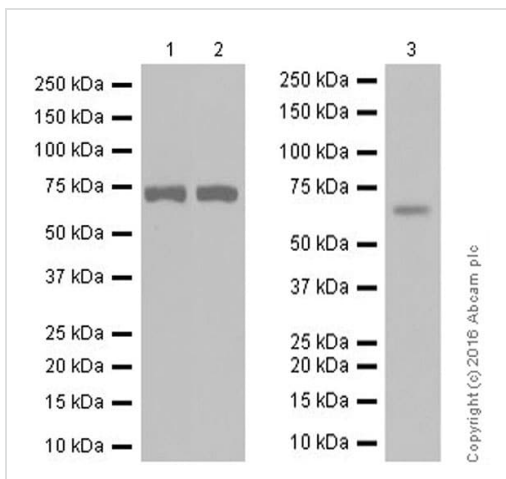


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody [EPR18978] (ab183591)

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.

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



Western blot - Anti-Acetylcholinesterase antibody [EPR18978] (ab183591)

All lanes : Anti-Acetylcholinesterase antibody [EPR18978] (ab183591) at 1/1000 dilution

Lane 1 : Rat striatum lysate

Lane 2 : Rat hippocampus lysate

Lane 3 : Rat brain lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

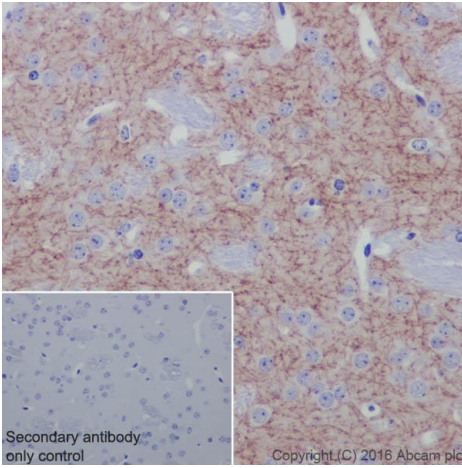
Predicted band size: 68 kDa

Observed band size: 68 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

Acetylcholinesterase hydrolyzes the acetylcholine at neuromuscular junctions and brain cholinergic synapses, and thus terminates signal transmission (PMID: 2400605; PMID 8515842).

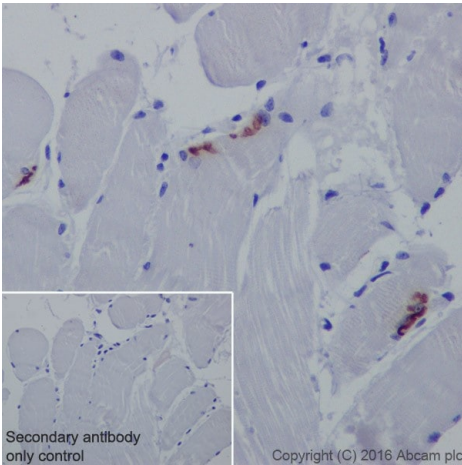


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody [EPR18978] (ab183591)

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.

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

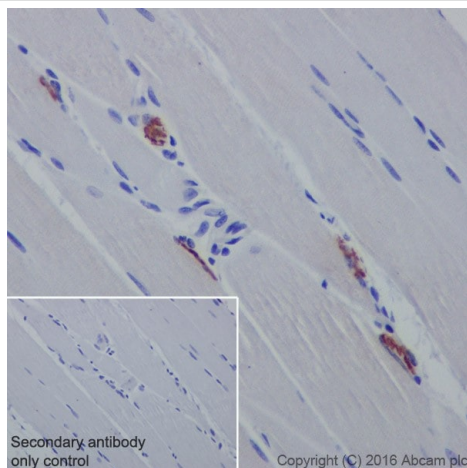


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acetylcholinesterase antibody [EPR18978] (ab183591)

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.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab97051** at 1/500 dilution.

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



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.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab97051** at 1/500 dilution.

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] (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] (ab183591)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors