

Anti-Acetylcholinesterase antibody [EPR23268-202] - BSA and Azide free ab274388

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Acetylcholinesterase antibody [EPR23268-202] - BSA and Azide free
Description	Rabbit monoclonal [EPR23268-202] to Acetylcholinesterase - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human brain tissue lysate; Mouse and rat brain and striatum tissue lysates; HeLa, PC-12 and NIH/3T3 whole cell lysates. IP: Human and mouse brain tissue lysate.
General notes	<p>ab274388 is the carrier-free version of ab253201.</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	EPR23268-202
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab274388 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

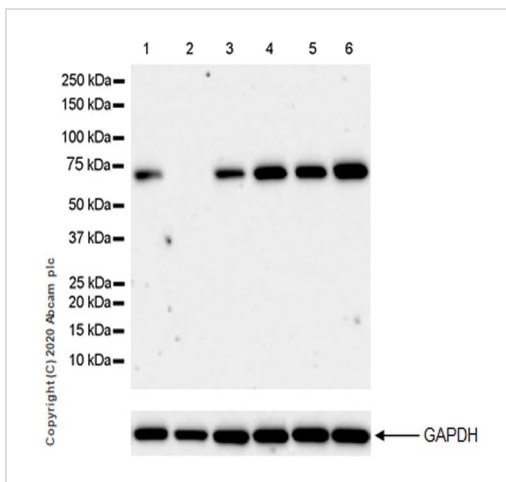
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).
IP		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

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
[EPR23268-202] - BSA and Azide free (ab274388)

All lanes : Anti-Acetylcholinesterase antibody [EPR23268-202]
([ab253201](#)) at 1/1000 dilution

Lane 1 : Human brain tissue lysate

Lane 2 : Human liver tissue lysate

Lane 3 : Mouse brain tissue lysate

Lane 4 : Mouse striatum tissue lysate

Lane 5 : Rat brain tissue lysate

Lane 6 : Rat striatum tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated
([ab97051](#)) at 1/50000 dilution

Predicted band size: 68 kDa

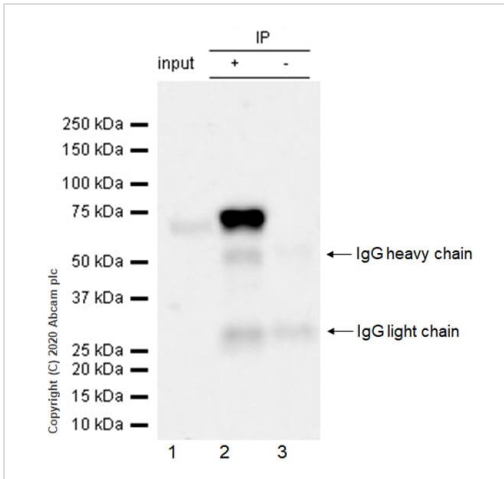
Observed band size: 68 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

Negative control: Human liver (PMID: 2400605).

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab253201](#)).



Immunoprecipitation - Anti-Acetylcholinesterase antibody [EPR23268-202] - BSA and Azide free (ab274388)

Acetylcholinesterase was immunoprecipitated from 0.35 mg human brain tissue lysate with **ab253201** at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using **ab253201** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: Human brain tissue lysate 10µg.

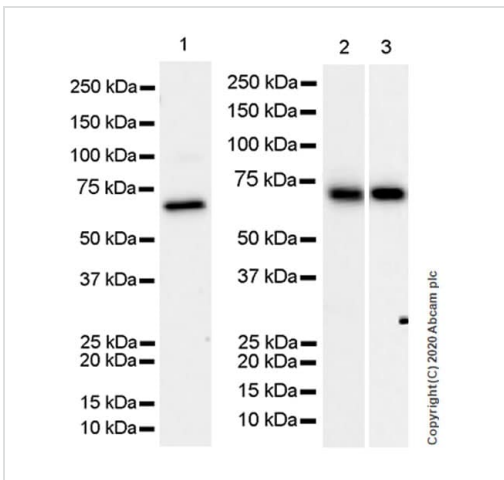
Lane 2: **ab253201** IP in human brain tissue lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab253201** in human brain tissue lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 10 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab253201**).



Western blot - Anti-Acetylcholinesterase antibody [EPR23268-202] - BSA and Azide free (ab274388)

All lanes : Anti-Acetylcholinesterase antibody [EPR23268-202] (**ab253201**) at 1/1000 dilution

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate

Lane 3 : NIH/3T3 (mouse embryonic fibroblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/50000 dilution

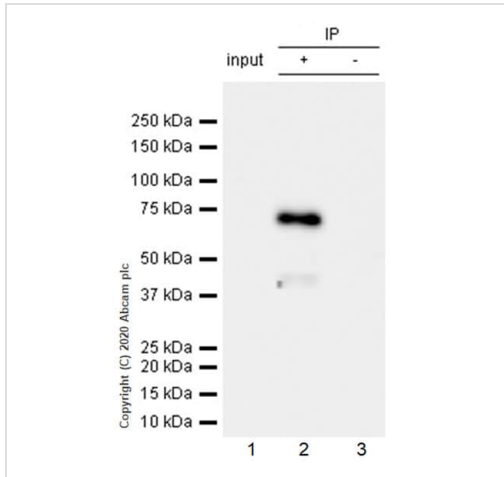
Predicted band size: 68 kDa

Observed band size: 68 kDa

Blocking and diluting buffer and concentration: 5% NFD/MTBST.

Exposure times: Lane 1: 59 seconds; Lane 2: 26 seconds; Lane 3: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab253201](#)).



Immunoprecipitation - Anti-Acetylcholinesterase antibody [EPR23268-202] - BSA and Azide free (ab274388)

Acetylcholinesterase was immunoprecipitated from 0.35 mg mouse brain tissue lysate with [ab253201](#) at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using [ab253201](#) at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

Lane 1: Mouse brain tissue lysate 10µg.

Lane 2: [ab253201](#) IP in mouse brain tissue lysate.





Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab253201](#) in mouse brain tissue lysate.

Blocking and dilution buffer and concentration: 5% NFD/MTBST.

Exposure time: 6 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab253201](#)).

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 [EPR23268-202]
- BSA and Azide free (ab274388)

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

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