

Acetylcholinesterase Rabbit mAb

Catalog No.: A29501 **Recombinant**

Basic Information

Observed MW

75 kDa

Calculated MW

54 kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC4037

Background

Enables acetylcholinesterase activity; identical protein binding activity; and laminin binding activity. Involved in positive regulation of cold-induced thermogenesis. Acts upstream of or within several processes, including acetylcholine catabolic process; acetylcholine receptor signaling pathway; and regulation of receptor recycling. Located in several cellular components, including basement membrane; cell surface; and neuromuscular junction. Is expressed in several structures, including alimentary system; genitourinary system; musculature; nervous system; and sensory organ. Human ortholog(s) of this gene implicated in Alzheimer's disease; drug dependence (multiple); epilepsy; myasthenia gravis; and subacute delirium. Orthologous to human ACHE (acetylcholinesterase (Yt blood group)).

Recommended Dilutions

WB 1:3000 - 1:15000**IHC-P** 1:100 - 1:400

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

11423

Swiss Prot

P20782

Immunogen

This information is considered to be commercially sensitive.

Synonyms

ACHE

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

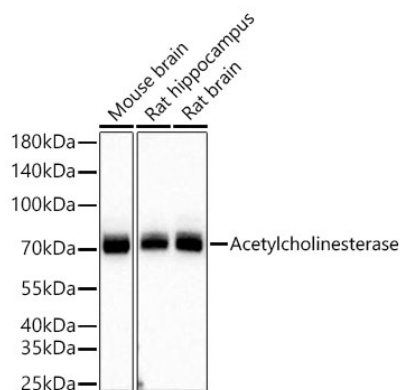
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Validation Data



Western blot analysis of various lysates using Acetylcholinesterase Rabbit mAb (A29501) at 1:5000 dilution incubated overnight at 4°C.

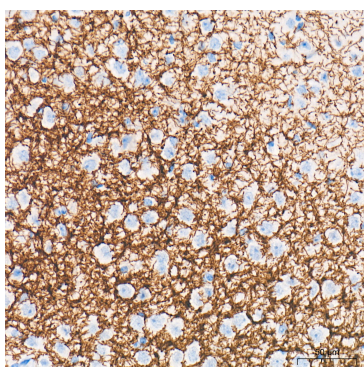
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

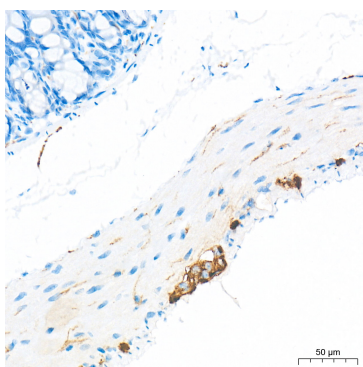
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

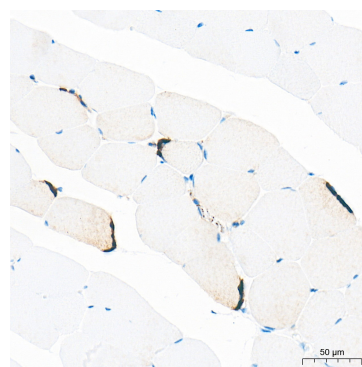
Exposure time: 5 s.



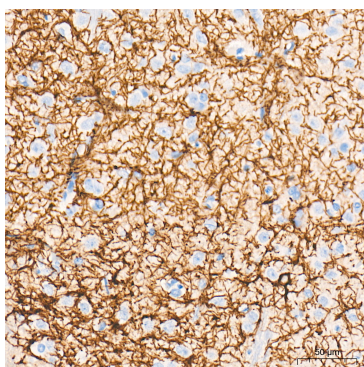
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



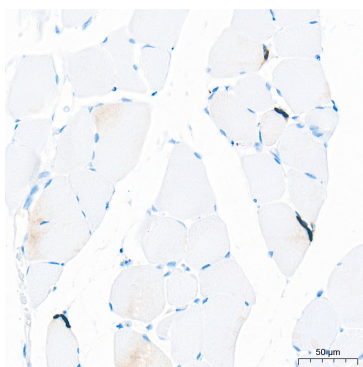
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse skeletal muscle tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat skeletal muscle tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.