A29501

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Acetylcholinesterase Rabbit mAb

Catalog No.: A29501 Recombinant

Basic Information

Observed MW
75 kDa

Calculated MW
54 kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Mouse,Rat

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 (≥1:10000) , a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

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Immunogen Information

Gene ID
11423

Swiss Prot
P20782

Immunogen
This information is considered to be commercially sensitive.

Synonyms

Product Information

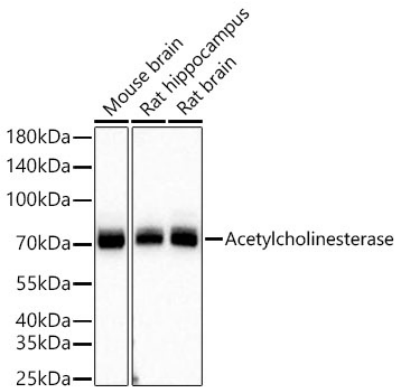
Source
Rabbit

Isotype
IgG

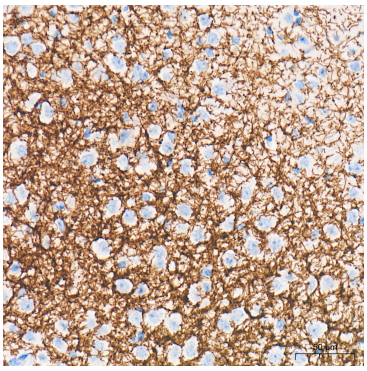
Purification
Affinity purification

Storage
Store at -20℃

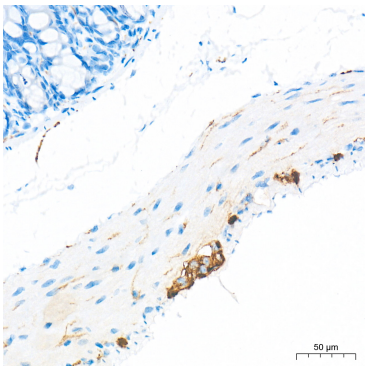
Validation Data



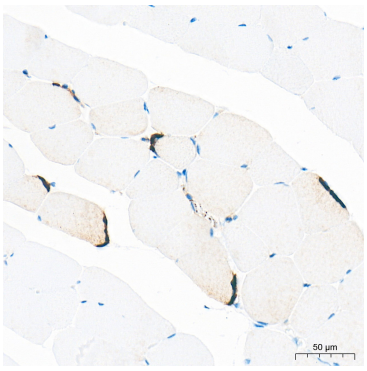
Western blot analysis of various lysates using Acetylcholinesterase Rabbit mAb (A29501) at 1:5000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit (RM00020).|Exposure time: 5 s.



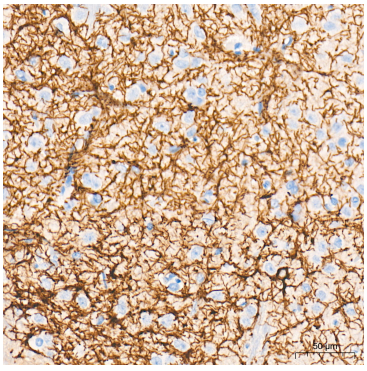
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



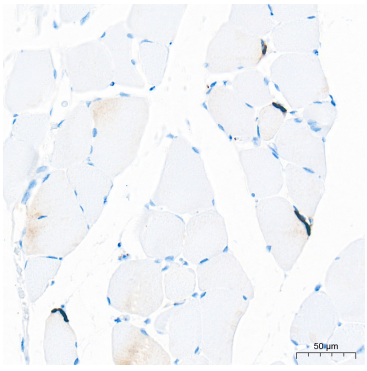
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.