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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 (≥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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

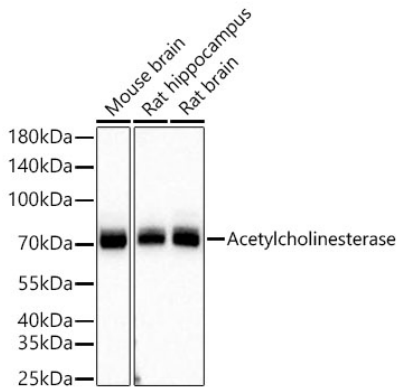
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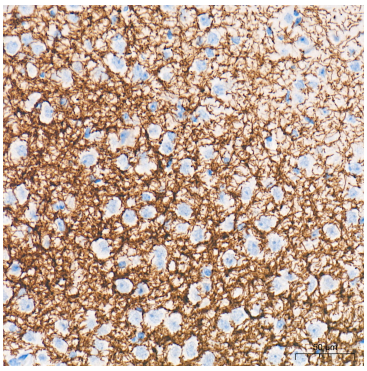
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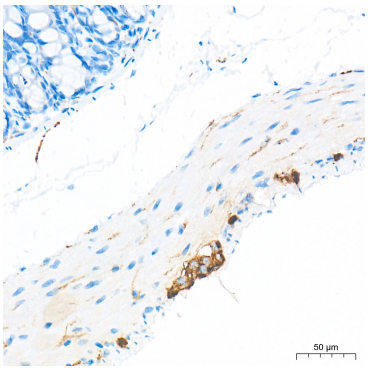
Validation Data



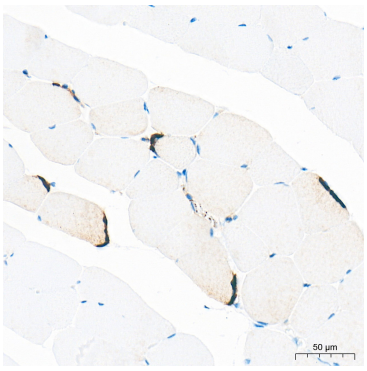
Western blot analysis of various lysates using Acetylcholinesterase Rabbit mAb (A29501) at 1:5000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: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



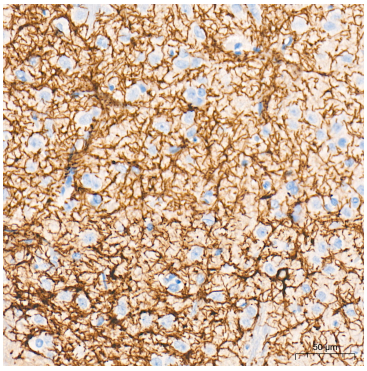
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



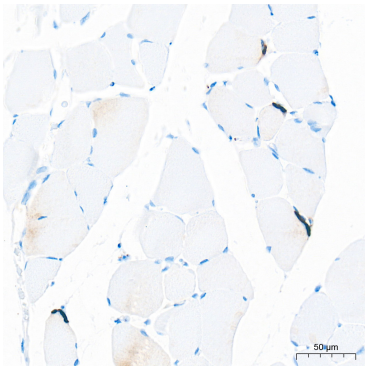
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Acetylcholinesterase Rabbit mAb (A29501) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.