10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACHE Antibody (C-term)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2184b

Specification

ACHE Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P22303
Other Accession	Q29499, P23795
Reactivity	**Human, Mouse, Rat, African Green Monkey**
Predicted	**Bovine, Rabbit**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Antigen Region	**587-611**

ACHE Antibody (C-term) - Additional Information

Gene ID 43

Other Names
Acetylcholinesterase, AChE, ACHE

Target/Specificity
This ACHE antibody is generated from mouse immunized with a KLH conjugated synthetic peptide between 587-611 amino acids from the C-terminal region of human ACHE.

Dilution
WB~~1:2000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ACHE Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ACHE Antibody (C-term) - Protein Information

Name ACHE (HGNC:108)

Function Hydrolyzes rapidly the acetylcholine neurotransmitter released into the synaptic cleft allowing to terminate the signal transduction at the neuromuscular junction. Role in neuronal

apoptosis.

Cellular Location
Synapse. Secreted. Cell membrane; Peripheral membrane protein [Isoform H]: Cell membrane; Lipid- anchor, GPI-anchor; Extracellular side

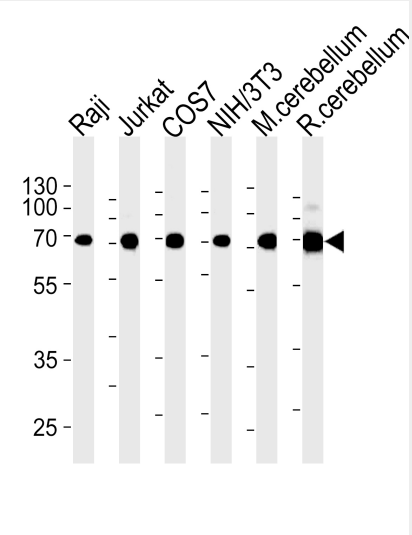
Tissue Location
Isoform H is highly expressed in erythrocytes.

ACHE Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACHE Antibody (C-term) - Images



ACHE Antibody (C-term) (Cat. #AM2184b) western blot analysis in Raji,Jurkat,COS7,mouse NIH/3T3 cell line and mouse cerebellum,rat cerebellum tissue lysates (35µg/lane).This demonstrates the ACHE antibody detected the ACHE protein (arrow).

ACHE Antibody (C-term) - Background

Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft. Role in neuronal apoptosis.

ACHE Antibody (C-term) - References

Soreq H., et al. Proc. Natl. Acad. Sci. U.S.A. 87:9688-9692(1990).
Karpel R., et al. Exp. Cell Res. 210:268-277(1994).

Yang L., et al. Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Totoki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.

ACHE Antibody (C-term) - Citations

- Extradural Contralateral C7 Nerve Root Transfer in a Cervical Posterior Approach for Treating Spastic Limb Paralysis: A Cadaver Feasibility Study
- The feasibility study of extradural nerve anastomosis technique for canine bladder reinnervation after spinal cord injury.