

**ACHE Antibody (C-term)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2184b**

**Specification**

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**ACHE Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P22303</a>
Other Accession	<a href="#">Q29499</a> , <a href="#">P23795</a>
Reactivity	Human, Mouse, Rat, 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

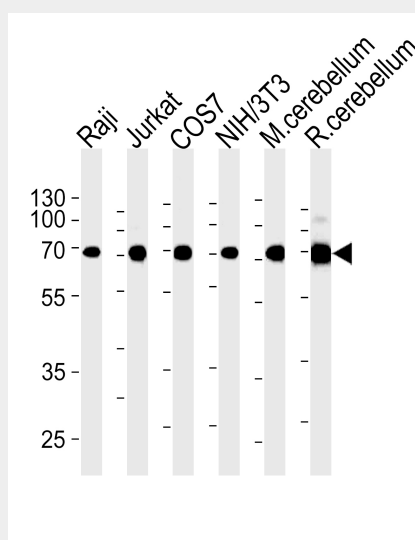
Isoform H is highly expressed in erythrocytes.

### 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 Cytometry](#)
- [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.](#)