

**ACHE Antibody (C-term)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AW5506**

**Specification**

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

Application	IHC, WB,E
Primary Accession	<a href="#">P22303</a>
Reactivity	Human, Mouse, Rat, Hamster
Host	Mouse
Clonality	Monoclonal
Calculated MW	H=68;M=68 KDa
Isotype	IgG1
Antigen Source	HUMAN

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

**Gene ID** 43

**Antigen Region**  
597-631

**Other Names**  
Acetylcholinesterase, AChE, ACHE

**Dilution**  
IHC~~1:500  
WB~~1:2000

**Target/Specificity**  
This ACHE antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 597-631 amino acids from the C-terminal region of human ACHE.

**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

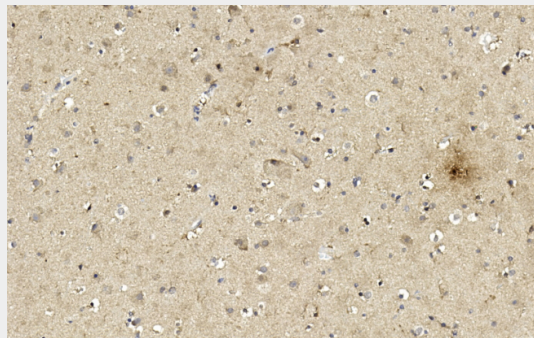
Isoform H is highly expressed in erythrocytes.

### ACHE Antibody (C-term) - Protocols

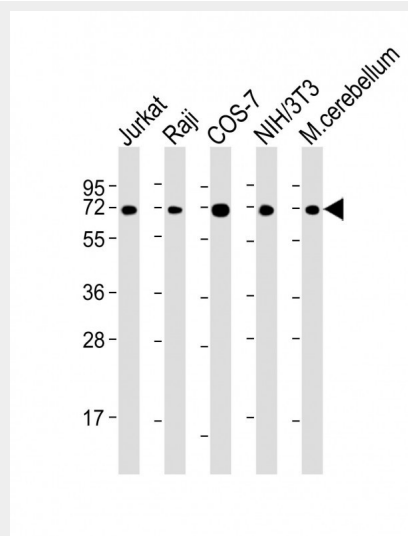
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

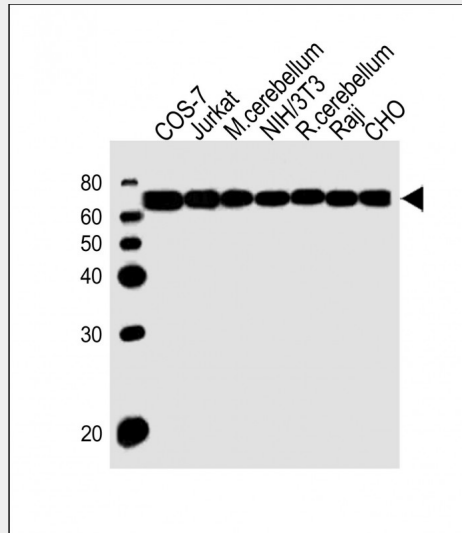
### ACHE Antibody (C-term) - Images



Immunohistochemical analysis of paraffin-embedded Human brain section using Pink1(Cat#AW5506). AW5506 was diluted at 1:500 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



All lanes : Anti-ACHE Antibody (C-term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: Raji whole cell lysate Lane 3: COS-7 whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-ACHE Antibody (C-term) at 1:2000 dilution Lane 1: COS-7 whole cell lysates Lane 2: Jurkat whole cell lysates Lane 3: mouse cerebellum lysates Lane 4: NIH/3T3 whole cell lysates Lane 5: rat cerebellum lysates Lane 6: Raji whole cell lysates Lane 7: CHO whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### 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.