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

ACHE Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5506

Specification

ACHE Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P22303
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
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.

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

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

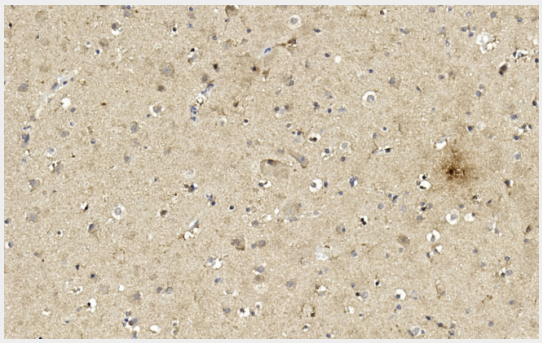
Tissue Location
Isoform H is highly expressed in erythrocytes.

ACHE Antibody (C-term) - Protocols

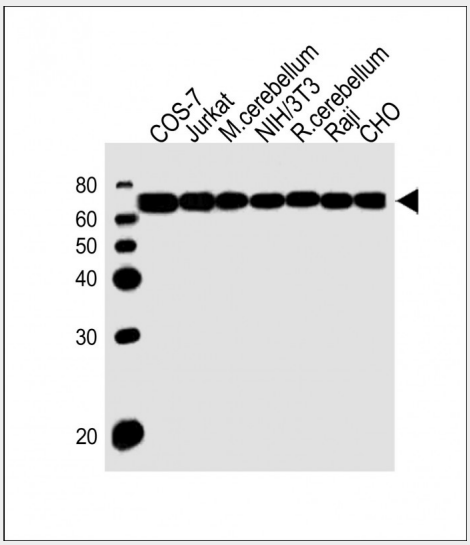
Provided below are standard protocols that you may find useful for product applications.

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

ACHE Antibody (C-term) - Images

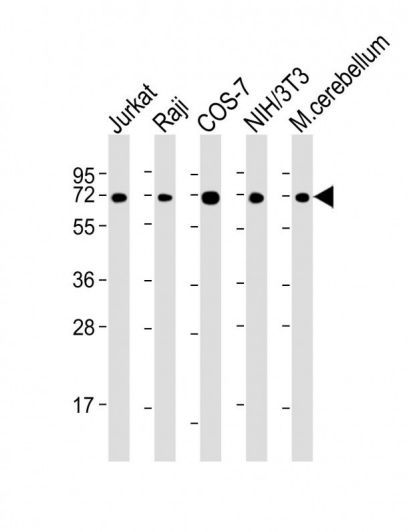


Immunohistochemical analysis of paraffin-embedded Human brain section using Pink1(Cat#AW5506). AW5506 was diluted at 1:500 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



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

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.



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.

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.