

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

Specification

ACHE Antibody (C-term) - Product Information

Application	IHC, 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
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

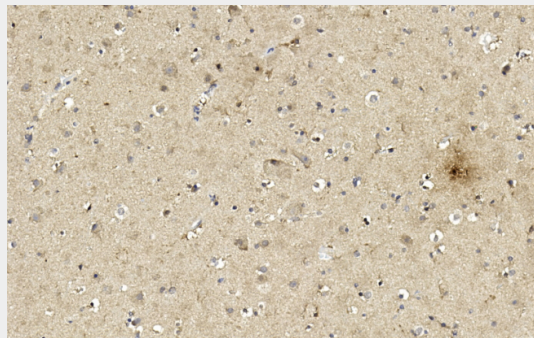
Isoform H is highly expressed in erythrocytes.

ACHE Antibody (C-term) - Protocols

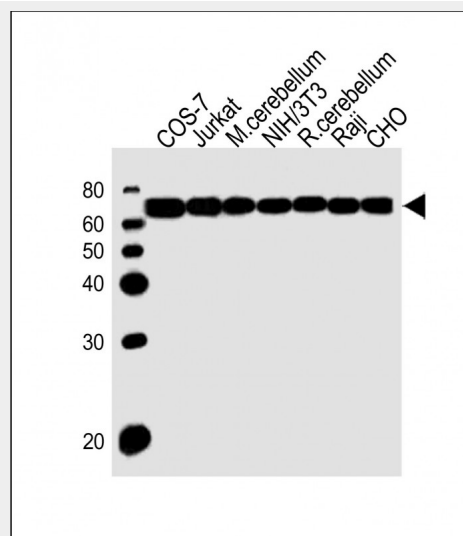
Provided below are standard protocols that you may find useful for product applications.

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

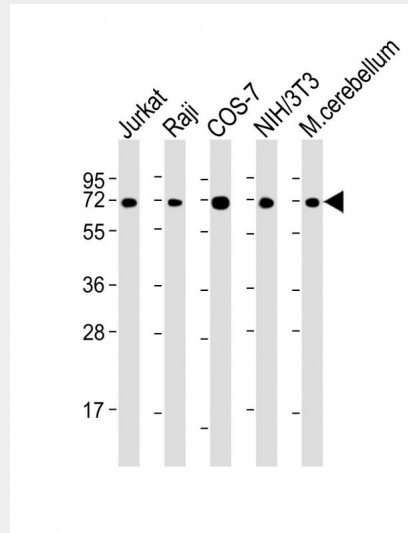
ACHE Antibody (C-term) - Images



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: 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% NFD/MTBST.



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% NFD/MTBST.

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.