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ACHE Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5506

Product Information

Application	WB, IHC
Primary Accession	P22303
Reactivity	Human, Mouse, Rat, Hamster
Host	Mouse
Clonality	Monoclonal
Calculated MW	67796
Isotype	IgG1
Antigen Source	HUMAN

Additional Information

Gene ID	43
Antigen Region	597-631
Other Names	Acetylcholinesterase, AChE, ACHE
Dilution	WB~~1:2000 IHC~~1:500
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.
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.

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.

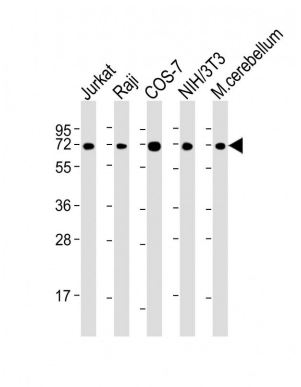
Background

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

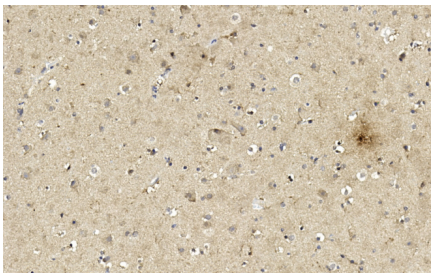
References

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.

Images



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.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.