

Acetylcholinesterase Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50956

Product Information

Application	WB
Primary Accession	P22303
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67796

Additional Information

Gene ID	43
Other Names	Acetylcholinesterase, AChE, ACHE
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Acetylcholinesterase. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

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