

# Acetylcholinesterase Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50956

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P22303</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	67796

## Additional Information

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<b>Gene ID</b>	43
<b>Other Names</b>	Acetylcholinesterase, AChE, ACHE
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	ACHE ( <a href="#">HGNC:108</a> )
<b>Function</b>	Hydrolyzes rapidly the acetylcholine neurotransmitter released into the synaptic cleft allowing to terminate the signal transduction at the neuromuscular junction. Role in neuronal apoptosis.
<b>Cellular Location</b>	Synapse. Secreted. Cell membrane; Peripheral membrane protein [Isoform H]: Cell membrane; Lipid- anchor, GPI-anchor; Extracellular side
<b>Tissue Location</b>	Isoform H is highly expressed in erythrocytes.

## Background

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

## References

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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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