BT LAB
Bioassay Technology Laboratory
Optimize Your Research

AChE Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14090
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human AChE. AA range:536-585
Mol wt	67796
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Acetylcholinesterase
Synonyms	Acetylcholinesterase; ACHE; Acetylcholinesterase; AChE

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Acetylcholinesterase hydrolyzes the neurotransmitter| acetylcholine at neuromuscular junctions and brain cholinergic synapses| and thus terminates signal transmission. It is also found on the red blood cell membranes| where it constitutes the Yt blood group antigen. Acetylcholinesterase exists in multiple molecular forms which possess similar catalytic properties| but differ in their oligomeric assembly and mode of cell attachment to the cell surface. It is encoded by the single ACHE gene| and the structural diversity in the gene products arises from alternative mRNA splicing| and post-translational associations of catalytic and structural subunits. The major form of acetylcholinesterase found in brain| muscle and other tissues is the hydrophilic species| which forms disulfide-linked oligomers with collagenous| or lipid-containing structural subunits. The other| alternatively

Recommended Dilution

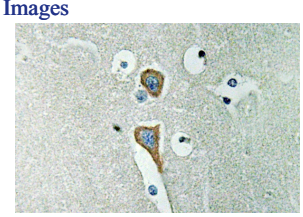
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

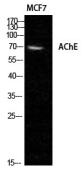
ELISA: 1: 40000

Not yet tested in other applications.

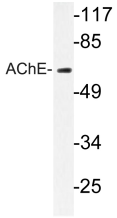
Images



Immunohistochemistry analysis of AChE antibody in paraffin-embedded human brain tissue.



Western Blot analysis of MCF7 cells using AChE Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat cells, using AChE antibody.

Storage

-20°C for 1 year

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