

Rabbit ACHE Polyclonal Antibody | anti-ACHE antibody

ACHE Antibody (N-term)

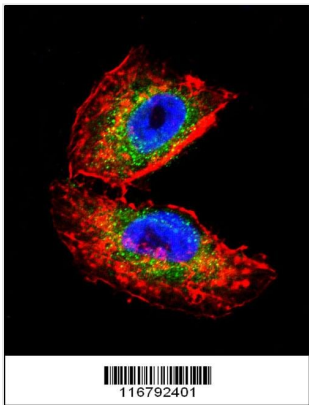
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287887	Rabbit	Human (Predicted Reactivity: Guinea Pig)	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

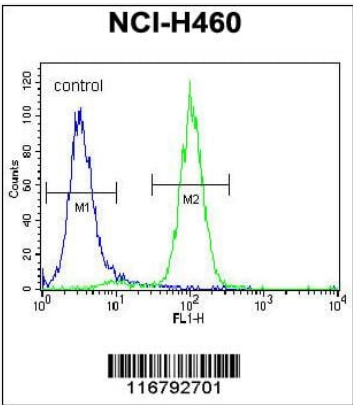
ACHE; Polyclonal Antibody; ACHE Antibody (N-term); Acetylcholinesterase; AChE; anti-ACHE antibody

PRODUCT SPECIFICATIONS

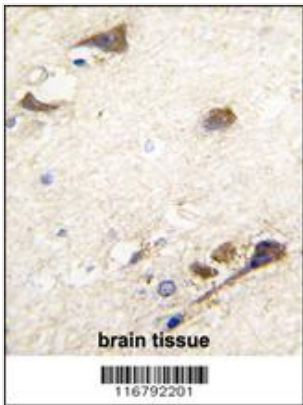
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Guinea Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACHE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-175 amino acids from the N-terminal region of human ACHE.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	147-175
Sequence Length	526
Applicable Applications for anti-ACHE antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



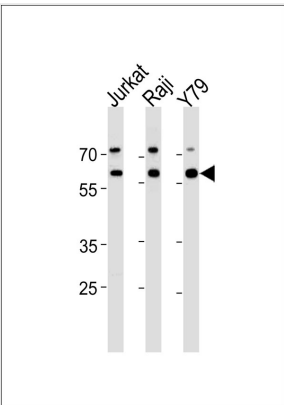
IF (Immunofluorescence)
Confocal immunofluorescent analysis of ACE Antibody (N-term) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)
ACHE Antibody (N-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with ACE antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
ACHE Antibody (N-term) western blot analysis in Jurkat,Raji,Y79 cell line lysates (35ug/lane).This demonstrates the ACE antibody detected the ACE protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ACHE antibody	Acetylcholinesterase hydrolyzes the neurotransmitter, acetylcholine at neuromuscular junctions and brain cholinergic synapses, and thus terminates signal transmission. The Protein 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. 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.
Product Categories/Family for anti-ACHE antibody	Crown Antibodies; Neuroscience
References	Liang,D., FEBS J. 276 (1), 94-108 (2009) Scacchi,R., Am. J. Med. Genet. B Neuropsychiatr. Genet. (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557239
NCBI GeneID	43
NCBI Accession #	NP_000656.1; NP_001269378.1; NP_056646.1

NCBI GenBank Nucleotide #	NM_000665.4
UniProt Accession #	P22303; Q16169; Q29S23; Q2M324; Q504V3; Q53F46; Q86TM9; Q86YX9; Q9BXP7; A4D2E2; B7ZKZ0; D6W5X7
Molecular Weight	67796
NCBI Official Full Name	acetylcholinesterase isoform E4-E6
NCBI Official Synonym Full Names	acetylcholinesterase (Yt blood group)
NCBI Official Symbol	ACHE
NCBI Official Synonym Symbols	YT; ACEE; ARACHE; N-ACHE
NCBI Protein Information	acetylcholinesterase
UniProt Protein Name	Acetylcholinesterase
UniProt Gene Name	ACHE
UniProt Synonym Gene Names	AChE
UniProt Entry Name	ACES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ache-antibody-western-blot-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/287887>