

Rabbit ACHE Polyclonal Antibody | anti-ACHE antibody

ACHE Rabbit Polyclonal Antibody

CATALOG # AAA313817	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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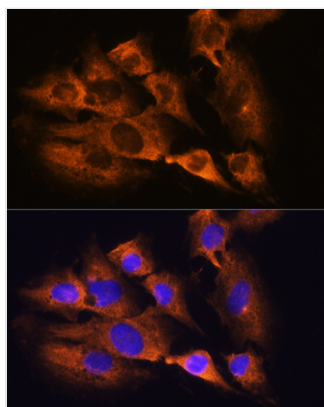
PRODUCT SYNONYMS

ACHE; Polyclonal Antibody; ACHE Rabbit Polyclonal Antibody; ACEE; ARACHE; N-ACHE; YT; anti-ACHE antibody

PRODUCT SPECIFICATIONS

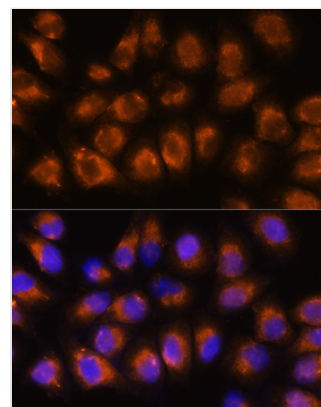
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-ACHE antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human ACHE (NP_056646.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



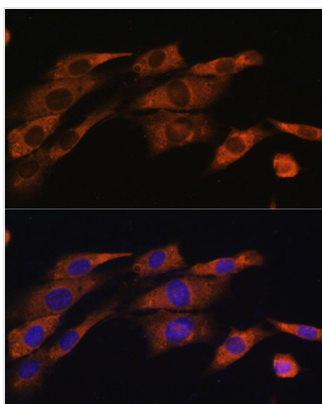
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using ACHE Rabbit pAb.



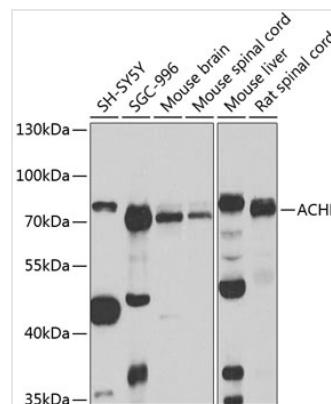
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using ACHE Rabbit pAb.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using ACHE Rabbit pAb.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ACHE antibody.

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. 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 spliced form, expressed primarily in the erythroid tissues, differs at the C-terminal end, and contains a cleavable hydrophobic peptide with a GPI-anchor site. It associates with the membranes through the phosphoinositide (PI) moieties added post-translationally.

Product Categories/Family for anti-ACHE antibody

[Primary Antibody](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557239
NCBI GeneID	43
NCBI Accession #	NP_000656.1
NCBI GenBank Nucleotide #	NM_000665.3
UniProt Accession #	P22303 ; Q16169 ; Q29S23 ; Q2M324 ; Q504V3 ; Q53F46 ; Q86TM9 ; Q86YX9 ; Q9BXP7 ; A4D2E2 ; B7ZKZ0 ; D6W5X7
Molecular Weight	67,796 Da
NCBI Official Full Name	acetylcholinesterase isoform E4-E6
NCBI Official Synonym Full Names	acetylcholinesterase
NCBI Official Symbol	ACHE
NCBI Official Synonym Symbols	YT; ACEE; ARACHE; N-ACHE
NCBI Protein Information	acetylcholinesterase; Yt blood group; apoptosis-related 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://stage.aaabiotech.com/polyclonal/ache-antibody-immunofluorescence-western-blot-elisa/313817>