

Rabbit ACHE Polyclonal Antibody | anti-ACHE antibody

ACHE Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321930	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

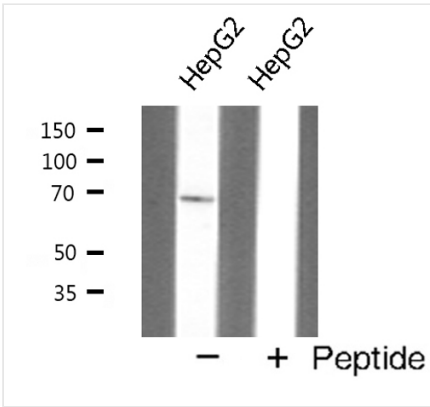
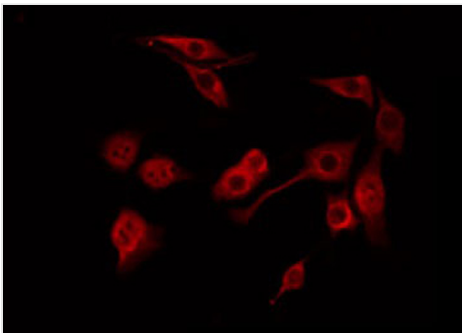
PRODUCT SYNONYMS

ACHE; Polyclonal Antibody; ACHE Antibody; ACEE; ACES_HUMAN; Acetylcholinesterase; AChE; Apoptosis related acetylcholinesterase; ARACHE; N ACHE; N-ACHE; YT; YT blood group; anti-ACHE antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACHE antibody detects endogenous levels of total ACHE
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	614
Applicable Applications for anti-ACHE antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ACHE
Subcellular Location	Cell Membrane; Cell Junction > Synapse. Secreted. Cell Membrane and Nucleus. Only observed in apoptotic nuclei.
Tissue Specificity	Isoform H is highly expressed in erythrocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (89%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA321930 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

WB (Western Blot)
Western blot analysis of ACHE expression in HepG2 cells

ADDITIONAL INFORMATION

Related Product Information for anti-ACHE antibody	Description: Interacts with PRIMA1. The interaction with PRIMA1 is required to anchor it to the basal lamina of cells and organize into tetramers By similarity. Isoform H generates GPI-anchored dimers; disulfide linked. Isoform T generates multiple structures, ranging from monomers and dimers to collagen-tailed and hydrophobic-tailed forms, in which catalytic tetramers are associated with anchoring proteins that attach them to the basal lamina or to cell membranes. Function: Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft. Role in neuronal apoptosis. Subunit Structure: Interacts with PRIMA1. The interaction with PRIMA1 is required to anchor it to the basal lamina of cells and organize into tetramers (By similarity). Isoform H generates GPI-anchored dimers; disulfide linked. Isoform T generates multiple structures, ranging from monomers and dimers to collagen-tailed and hydrophobic-tailed forms, in which catalytic tetramers are associated with anchoring proteins that attach them to the basal lamina or to cell membranes. In the collagen-tailed forms, isoform T subunits are associated with a specific collagen, COLQ, which triggers the formation of isoform T tetramers, from monomers and dimers. Isoform R may be monomeric. Similarity: Belongs to the type-B carboxylesterase/lipase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557239
NCBI GeneID	43
NCBI Accession #	NP_000656.1
NCBI GenBank Nucleotide #	NM_000665.4
UniProt Accession #	P22303; Q16169; Q29S23; Q2M324; Q504V3; Q53F46; Q86TM9; Q86YX9; Q9BXP7; A4D2E2; B7ZKZ0; D6W5X7
Molecular Weight	Observed: 67 kDa Predicted: 68 kDa
NCBI Official Full Name	acetylcholinesterase isoform E4-E6
NCBI Official Synonym Full Names	acetylcholinesterase (Cartwright 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

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-immunocytochemistry-immunofluorescence-western-blot-elisa/321930>