

Sheep anti-Human ACHE / Acetylcholinesterase Polyclonal Antibody | anti-ACHE antibody

Sheep Polyclonal (IgG) to Human ACHE / Acetylcholinesterase

CATALOG # AAA51200	HOST Sheep	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry
------------------------------	----------------------	----------------------------	--

PRODUCT SYNONYMS

ACHE / Acetylcholinesterase; Polyclonal Antibody; Sheep Polyclonal (IgG) to Human ACHE / Acetylcholinesterase; Anti-ACHE / Acetylcholinesterase Antibody IHC-plus; ACHE; ACEE; Acetylcholinesterase; N-ACHE; Yt blood group; ARACHE; YT; Human ACHE; anti-ACHE antibody

PRODUCT SPECIFICATIONS

Host	Sheep
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes human Acetylcholinesterase.
Purity/Purification	Protein G Purified
Form/Format	PBS, 0.09% sodium azide
Concentration	5 mg/ml (varies by lot)
Sequence Length	617
Applicable Applications for anti-ACHE antibody	ELISA, IHC (Immunohistochemistry)
Target Species	Human
Antigen Type	Native protein
Immunogen	ACHE / Acetylcholinesterase antibody was raised against native protein.
Immunogen Species	ACHE / Acetylcholinesterase antibody was produced against Human.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-ACHE antibody	Acetylcholinesterase is involved in termination of signal transmission at neuromuscular junctions. Differences in assembly and localization of the multiple synaptic forms of acetylcholinesterase are thought to arise through posttranscriptional events. The Yt erythrocyte blood group antigen system resides on the acetylcholinesterase molecule.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	7710112
NCBI GeneID	43
NCBI Accession #	NP_056646.1
NCBI GenBank Nucleotide #	NM_015831.2
UniProt Accession #	P22303 ; Q16169 ; Q29S23 ; Q2M324 ; Q504V3 ; Q53F46 ; Q86TM9 ; Q86YX9 ; Q9BXP7 ; A4D2E2 ; B7ZKZ0 ; D6W5X7

NCBI Official Full Name	acetylcholinesterase isoform E4-E5
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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/ache-acetylcholinesterase-antibody-immunohistochemistry-elisa/51200>