

Product datasheet for **TA396675S**

ACHE Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB: 1:500 - 1:2,500 ELISA: 1:2,000 - 1:10,000
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Acetylcholinesterase [Bovine Erythrocytes]
Specificity:	Anti-Acetylcholinesterase (Bovine Erythrocytes) antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum as well as purified and partially purified Acetylcholinesterase [Bovine Erythrocytes]. Cross reactivity against Acetylcholinesterase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1 mg/mL - lot specific
Conjugation:	HRP
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P23795



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- Background:** Acetylcholinesterase, or AChE, is an important protease that terminates the transmission of the neurotransmitter, acetylcholine, by hydrolysis. Hydrolysis by AChE on ACh prevents excessive neural firing between adjacent nerves. Horse Radish Peroxidase (HRP) is an enzyme that utilize organic peroxide compounds as electron donors. Naturally provides protection for plants against pathogens, but can be utilized in molecular biology to convert various substrates to detectable compounds (such as in Western Blotting and ELISAs). Anti-Acetylcholinesterase (Bovine Erythrocytes) antibody is ideal for investigators in Signal Transduction, Cell Signaling, Cardiovascular , and Immunology research.
- Synonyms:** goat anti-Acetyl Cholinesterase Antibody, HRP conjugated goat anti-Acetyl Cholinesterase Antibody, Acetylcholinesterase, AChE, HRP, Horseradish peroxidase, HRP, Horseradish peroxidase
- Note:** Anti-Acetylcholinesterase (Bovine Erythrocytes) antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of Acetylcholinesterase [Bovine Erythrocytes] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 of the reconstitution concentration is suggested for this product.