

**Anti-ACETYL CHOLINESTERASE (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated**  
**Acetyl Cholinesterase Antibody Biotin Conjugated**  
**Catalog # ASR4051****Specification****Anti-ACETYL CHOLINESTERASE (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated**  
**- Product Information**

Host	Goat
Conjugate	Biotin
Target Species	Bovine
Reactivity	Bovine
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Acetyl Cholinesterase Biotin Conjugated Antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of Acetyl Cholinesterase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and 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 to 1:2,000 is suggested for this product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Acetyl Cholinesterase [Bovine Erythrocytes]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

**Anti-ACETYL CHOLINESTERASE (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated**  
**- Additional Information****Gene ID** 540446**Other Names**  
540446**Purity**

Acetyl Cholinesterase 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-Biotin, anti-Goat Serum as well as purified and partially purified Acetyl Cholinesterase [Bovine Erythrocytes]. Cross reactivity

against Acetyl Cholinesterase from other sources is unknown.

**Storage Condition**

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-ACETYL CHOLINESTERASE (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated - Protein Information**

**Name** ACHE

**Function**

Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft.

**Cellular Location**

Synapse. Secreted. Cell membrane; Peripheral membrane protein

**Anti-ACETYL CHOLINESTERASE (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-ACETYL CHOLINESTERASE (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated - Images****Anti-ACETYL CHOLINESTERASE (Bovine Erythrocytes) (GOAT) Antibody Biotin Conjugated - Background**

Acetyl Cholinesterase is abundantly expressed in erythrocytes and is part of the type-B carboxylesterase/lipase family. Anti-Acetyl Cholinesterase cancels signal transduction at the neuromuscular junction via hydrolysis of acetylcholine as it is released into the synaptic cleft by the motor neurons. Anti-Acetyl Cholinesterase antibody is ideal for investigators involved in Neuroscience and Neurotransmitter research.