

Datasheet for 200-103-232**Anti-Acetylcholinesterase Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Acetylcholinesterase (GOAT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-103-232
Item No.:	200-103-232
Size:	20 mg
Applications:	WB
Reactivity:	Bovine
Host Species:	Goat

Product Details

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
Host Species:	Goat
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ACHE
Reactivity:	Bovine
Immunogen Type:	Native Protein

Immunogen:	Acetylcholinesterase [Bovine Erythrocytes]
Purity/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.
Relevant Links:	• UniProtKB - P23795 • NCBI - P23795.2 • GenelD - 540446

Application Details

Tested Applications:	WB
Application 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.