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Datasheet for 200-101-232-0100

Acetyl Cholinesterase Antibody

Overview

Description:	Anti-Acetylcholinesterase (Bovine Erythrocytes) (GOAT) Antibody - 200-101-232-0100
Item No.:	200-101-232-0100
Size:	100 µg
Applications:	WB
Reactivity:	Bovine
Host Species:	Goat

Product Details

Background:	Acetylcholinesterase terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft.
Synonyms:	goat anti-Acetyl Cholinesterase Antibody, Acetylcholinesterase, AChE
Host Species:	Goat
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ACHE
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Acetyl Cholinesterase [Bovine Erythrocytes]
Purity/Specificity:	Anti-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-Goat Serum as well as purified and partially purified Acetyl Cholinesterase [Bovine Erythrocytes]. Cross reactivity against Acetyl Cholinesterase from other sources is unknown.

Relevant Links:	• UniProtKB - P23795 • NCBI - NP_001069688.1 • GeneID - 540446

Application Details

Tested Applications:	WB
Application Note:	Anti-Acetyl Cholinesterase Antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of Acetyl Cholinesterase [Bovine Erythrocytes] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4302 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 1:1,200 to 1:5,000 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:	1.0 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) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	100 µL
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

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