

Datasheet for 100-101-094

Choline Oxidase Antibody

Overview

Description:	Anti-Choline Oxidase (Alcaligenes species) (GOAT) Antibody - 100-101-094
Item No.:	100-101-094
Size:	2 mL
Applications:	WB
Reactivity:	Alcaligenes sp.
Host Species:	Goat

Product Details

Background:	Choline Oxidase catalytic activity is $\text{Choline} + 2 \text{O}_2 + \text{H}_2\text{O} = \text{betaine} + 2 \text{H}_2\text{O}_2$. This protein is involved in step 1 of the subpathway that synthesizes betaine from choline.
Synonyms:	Choline oxidase, goat anti-Choline Oxidase Antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	CHOX_ALCSP
Reactivity:	Alcaligenes sp.
Immunogen Type:	Native Protein
Immunogen:	Choline Oxidase [Alcaligenes species]
Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Choline Oxidase [Alcaligenes species]. Cross reactivity against Choline Oxidase from other sources is unknown.
Relevant Links:	• UniProtKB - P16101 • NCBI - 116367

Application Details

Tested Applications:	WB
Application Note:	Goat anti-Choline Oxidase Antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Choline Oxidase [Alcaligenes species] 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 1:4,000 to 1:32,000 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

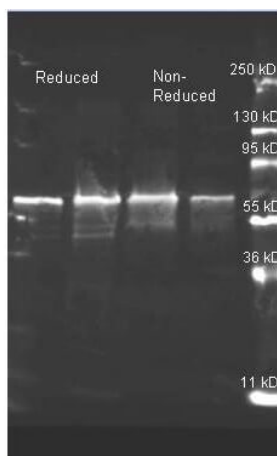
Formulation

Physical State:	Lyophilized
Concentration:	90 mg/mL by Refractometry
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:	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.

Images



Western Blot

Rockland Goat anti Choline Oxidase antibody was used to detect Choline Oxidase. Samples of ~1 and 0.25 µg of purified Choline Oxidase per lane were run by SDS-PAGE under reducing and non-reducing conditions and reduced samples of purified Choline Oxidase contained 4% BME and were boiled for 5 minutes. Protein was transferred to nitrocellulose and probed with Rockland Goat anti-Choline Oxidase (p/n 200-101-094, lot 5911) at 1:5K in (p/n MB-070) ON at 4°C. Primary antibody was detected with Rockland Dylight 649 conjugated Donkey anti-Goat (p/n 605-743-125) at 1:10K for 1.5 hr RT in (p/n MB-070) and imaged on the BioRad VersaDoc imaging system.

Disclaimer

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