Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 100-101-213

Cholesterol Oxidase Antibody

Overview

Description:	Anti-Cholesterol Oxidase (Microorganism) (GOAT) Antibody - 100-101-213
Item No.:	100-101-213
Size:	2 mL
Applications:	WB
Reactivity:	Streptomyces
Host Species:	Goat

Product Details

Background:	Cholesterol Oxidase is a bifunctional enzyme that catalyzes the oxidation of the 3-beta-hydroxy group of cholesterol and the isomerization of the double bond of the resulting product. This protein is involved in the pathway cholesterol metabolism, which is part of Steroid metabolism.
Synonyms:	goat anti-Cholesterol Oxidase Antibody, choA antibody, choD antibody, choM antibody, choS antibody, COD antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	choA
Reactivity:	Streptomyces
Immunogen Type:	Native Protein
Immunogen:	Cholesterol Oxidase [Streptomyces]
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 Cholesterol Oxidase [Microorganism]. Cross reactivity against Cholesterol Oxidase from other sources is unknown.
Relevant Links:	

- UniProtKB - P12676

Application Details

Tested Applications:	WB
Application Note:	Anti-Cholesterol Oxidase has been tested by western blot and is suitable to be assayed against 1.0 ug of Cholesterol Oxidase [Microorganism] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) code #611-1302 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 1:8,000 to 1:40,000 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 Cholesterol oxidase antibody (200-101-213 lot 6534) was used to detect purified cholesterol oxidase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified cholesterol oxidase contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with a 1:3000 dilution of primary antibody (ON 4 C in MB-070). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/MB-070 1 hr RT). Images were collected using the BioRad VersaDoc System.

Disclaimer