

Datasheet for 100-101-093**Sarcosine Oxidase Antibody****Overview**

Description:	Anti-Sarcosine Oxidase (Microbial) (GOAT) Antibody - 100-101-093
Item No.:	100-101-093
Size:	2 mL
Applications:	WB
Reactivity:	Sarcosine Oxidase (Microbial)
Host Species:	Goat

Product Details

Background:	Sarcosine Oxidase catalyzes the oxidative demethylation of sarcosine to yield glycine, hydrogen peroxide and 5,10-methylenetetrahydrofolate.
Synonyms:	Sarcosine oxidase subunit alpha, Sarcosine oxidase subunit, goat anti-Sarcosine Oxidase Antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	soxA
Reactivity:	Sarcosine Oxidase (Microbial)
Immunogen Type:	Native Protein
Immunogen:	Sarcosine Oxidase [Microbial]
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 Sarcosine Oxidase [Microbial]. Cross reactivity against Sarcosine Oxidase from other sources is unknown.
Relevant Links:	UniProtKB - Q46337

- [NCBI - YP_004446819.1](#)
- [GeneID - 10586229](#)

Application Details

Tested Applications:	WB
Application Note:	Goat anti-Uricase Antibody has been tested by western blot and suitable to be assayed against 1.0 ug of Sarcosine Oxidase [Microbial] 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 1:16,000 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 Sarcosine Oxidase antibody was used to detect Sarcosine Oxidase. Samples of ~1 and 0.25µg of purified Sarcosine Oxidase per lane were run by SDS-PAGE under reducing and non-reducing conditions and reduced samples contained 4% BME and were boiled for 5 minutes. Protein was transferred to nitrocellulose and probed with Rockland Goat anti-Sarcosine Oxidase (p/n 200-101-093, lot 5951) 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 at RT in (p/n MB-070) and imaged on the BioRad VersaDoc imaging system.

Disclaimer

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