

Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody Peroxidase Conjugated
Sarcosine Oxidase Antibody Peroxidase Conjugated
Catalog # ASR3969

Specification

Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Product Information

Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Microbial
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Sarcosine Oxidase has been tested by ELISA and western blot and is assayed against 1.0 ug of Sarcosine Oxidase [Microbial] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenziazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:3,000 of the reconstitution concentration is suggested for this product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Sarcosine Oxidase [Microbial]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Additional Information

Other Names
10586229

Purity

Anti-Sarcosine Oxidase 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 Sarcosine Oxidase [Microbial]. Cross reactivity against Sarcosine Oxidase from other sources is unknown.

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Protein Information

Name soxA {ECO:0000303|PubMed:7543100}

Function

In the presence of tetrahydrofolate, catalyzes the oxidative demethylation of sarcosine to yield glycine, 5,10- methylenetetrahydrofolate and hydrogen peroxide (PubMed:11330998, PubMed:3427080, PubMed:9185627). In the absence of tetrahydrofolate, catalyzes the oxidative demethylation of sarcosine to yield glycine, formaldehyde and hydrogen peroxide (PubMed:11330998, PubMed:7692961, PubMed:9185627).

Cellular Location

Cytoplasm.

Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Images

Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Background

Sarcosine oxidase is an enzyme that catalyzes the oxidative demethylation of sarcosine to yield glycine, hydrogen peroxide, and 5,10-methylenetetrahydrofolate in a reaction requiring H4-tetrahydrofolate and oxygen.