

**Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody**  
**Sarcosine Oxidase Antibody**  
**Catalog # ASR3908**

**Specification**

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**Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody - Product Information**

Host	Goat
Conjugate	Unconjugated
Target Species	Microbial
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Sarcosine Oxidase Antibody has been tested by dot blot and western blot and is suitable for ELISA assay 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 1:3,000 to 1:12,000 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)
Preservative	0.01% (w/v) Sodium Azide

**Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody - 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-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 - 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:<a href="http://www.uniprot.org/citations/11330998" target="\_blank">11330998</a>, PubMed:<a href="http://www.uniprot.org/citations/3427080" target="\_blank">3427080</a>, PubMed:<a href="http://www.uniprot.org/citations/9185627" target="\_blank">9185627</a>). In the absence of tetrahydrofolate, catalyzes the oxidative demethylation of sarcosine to yield glycine, formaldehyde and hydrogen peroxide (PubMed:<a href="http://www.uniprot.org/citations/11330998" target="\_blank">11330998</a>, PubMed:<a href="http://www.uniprot.org/citations/7692961" target="\_blank">7692961</a>, PubMed:<a href="http://www.uniprot.org/citations/9185627" target="\_blank">9185627</a>).

#### **Cellular Location**

Cytoplasm.

### **Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody - 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 - Images**

### **Anti-SARCOSINE OXIDASE (Microbial) (GOAT) Antibody - Background**

Sarcosine Oxidase catalyzes the oxidative demethylation of sarcosine to yield glycine, hydrogen peroxide and 5,10-methylenetetrahydrofolate.