

Product datasheet for **TA396684S**

soxA Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB: 1:500 - 1:1,000 ELISA: 1:1,000 - 1:2,500
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Sarcosine Oxidase [Microbial]
Specificity:	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-Biotin, anti-Goat Serum as well as purified and partially purified Sarcosine Oxidase [Microbial]. Cross reactivity against Sarcosine Oxidase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	Q46337
Background:	Sarcosine Oxidase is an inducible enzyme that catalyzes the oxidative demethylation of sarcosine to glycine, hydrogen peroxide, and 5,10-methylene-tetrahydrofolate in the presence of tetrahydrofolate and oxygen. Sarcosine oxidase is also able to oxidize cyclic amino acids such as L-proline and L-pipecolic acid, albeit at reduced rates.



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Synonyms: goat anti-Sarcosine Oxidase Antibody, biotin Conjugated goat anti-Sarcosine Oxidase Antibody, Sarcosine oxidase subunit alpha, Sarcosine oxidase subunit

Note: Anti-Sarcosine Oxidase Biotin Conjugated Antibody has been tested by ELISA and western blot. This product is suitable to be assayed against 1.0 ug of Sarcosine Oxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.

Product images:



Rockland Goat anti Sarcosine Oxidase antibody was used to detect Sarcosine Oxidase. Samples of ~1 and 0.25 ug 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 (200-101-093 lot 5951 1:5K in MB-0070, ON 4 C). Primary antibody was detected with Rockland Dylight 649 conjugated Donkey anti Goat (605-743-125 1:10K 1.5 hr RT in MB-070 and imaged on the BioRad VersaDoc imaging system.