

Product datasheet for **TA396661S**

CHOX_ALCSP 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:	Choline Oxidase [Alcaligenes species]
Specificity:	Anti-Choline 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 Choline Oxidase [Alcaligenes species]. Cross reactivity against Choline 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:	HRP
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:	<u>P16101</u>
Background:	Choline oxidase is an enzyme that catalyzes the chemical reaction (choline + O ₂ <=> betaine aldehyde + H ₂ O ₂). Thus, the two substrates of this enzyme are choline and O ₂ , whereas its two products are betaine aldehyde and H ₂ O ₂ . Choline oxidase belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with oxygen as acceptor. This enzyme participates in glycine, serine, and threonine metabolism.

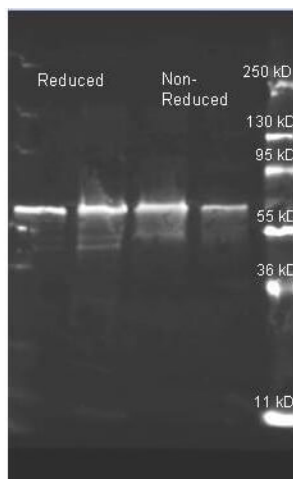


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Synonyms: goat anti-Choline Oxidase Antibody HRP Conjugation, Peroxidase Conjugated goat anti-Choline Oxidase Antibody, codA antibody

Note: Anti-Choline oxidase has been tested by ELISA and western blot and is assayed against 1.0 ug of Choline Oxidase [Alcaligenes species] in a standard capture ELISA using 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 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product.

Product images:



Rockland Goat anti Choline Oxidase antibody was used to detect Choline Oxidase. Samples of ~1 and 0.25 ug of purified Choline Oxidase per lane were run by SDS-PAGE under reducing and non-reducing conditions and reduced samples of purified Choline Oxidase contained 4% BME and were boiled for 5 minutes. Protein was transferred to nitrocellulose and probed with Rockland Goat anti Choline Oxidase (200-101-094 lot 5911 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.