

## Product datasheet for **TA396632S**

### CHOX\_ALCSP Goat Polyclonal Antibody

#### Product data:

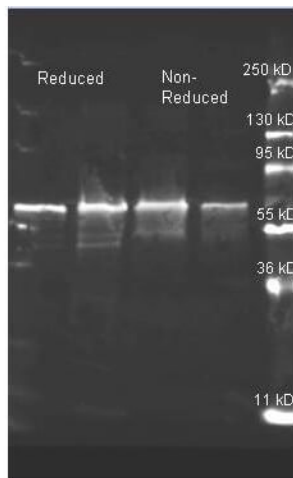
Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	<b>WB:</b> 1:500 - 1:5,000 <b>ELISA:</b> 1:5,000 - 1:20,000
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Choline Oxidase [Alcaligenes species]
Specificity:	Anti-CHOLINE OXIDASE is an IgG fraction antibody purified from 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-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:	lot specific
Conjugation:	Unconjugated
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:	<a href="#">P16101</a>
Background:	Choline Oxidase catalytic activity is $\text{Choline} + 2 \text{O}_2 + \text{H}_2\text{O} = \text{betaine} + 2 \text{H}_2\text{O}_2$ . This protein is involved in step 1 of the subpathway that synthesizes betaine from choline.
Synonyms:	goat anti-Choline Oxidase Antibody, codA antibody



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**Note:** Choline Oxidase Antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Choline Oxidase [Alcaligenes species] 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 1:22,000 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.