

Datasheet for ABIN5596705

anti-Choline Oxidase antibody (HRP)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Choline Oxidase
Reactivity:	Alcaligenes
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Choline Oxidase antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: Choline Oxidase [Alcaligenes species] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Choline Oxidase from other sources is unknown.
Purification:	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].

Target Details

Target:	Choline Oxidase
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Target Details

Abstract:	Choline Oxidase Products
Background:	<p>Synonyms: codA antibody EC=1.1.3.17</p> <p>Background: Choline oxidase is an enzyme that catalyzes the chemical reaction (choline + O₂ <=> betaine aldehyde + H₂O₂). Thus, the two substrates of this enzyme are choline and O₂, whereas its two products are betaine aldehyde and H₂O₂. 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.</p> <p>Gene Name: CHOX_ALCSP</p>
Gene ID:	116367
UniProt:	P16101

Application Details

Application Notes:	<p>Application Note: Anti-Choline oxidase has been assayed against 1.0 µg 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.</p> <p>Western Blot Dilution: 1:500 - 1:1,000</p> <p>Immunoprecipitation Dilution: 1:100</p> <p>ELISA Dilution: 1:1,000 - 1:2,500</p>
Restrictions:	For Research Use only

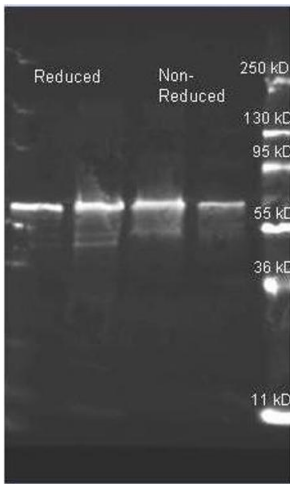
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. 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 Goat anti Choline Oxidase (200-101-094 lot 5911 1:5K in MB-0070, ON 4 C). Primary antibody was detected with Dylight 649 conjugated Donkey anti Goat (605-743-125 1:10K 1.5 hr RT in ABIN925618 and imaged on the BioRad VersaDoc imaging system.