

**Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Peroxidase Conjugated
Choline Oxidase Antibody Peroxidase Conjugated
Catalog # ASR3971****Specification****Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Peroxidase Conjugated -
Product Information**

Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Alcaligenes
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application 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-ethylbenzothiazoline-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.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Choline Oxidase [Alcaligenes species]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Peroxidase Conjugated -
Additional Information****Purity**

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.

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-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Peroxidase Conjugated - Protein Information

Name CHOX

Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Peroxidase Conjugated - 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-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Peroxidase Conjugated - Images**Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Peroxidase Conjugated - 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.