

Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Biotin Conjugated
Choline Oxidase Antibody Biotin Conjugated
Catalog # ASR4020**Specification****Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Biotin Conjugated - Product Information**

Host	Goat
Conjugate	Biotin
Target Species	Alcaligenes
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Choline Oxidase has been tested by ELISA and western blot. This product is suitable to be assayed against 1.0 ug of Choline Oxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azin o-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 1:20,000 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) Sodium Azide

Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Biotin 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-Biotin, 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 Biotin Conjugated - Protein Information

Name CHOX

Function

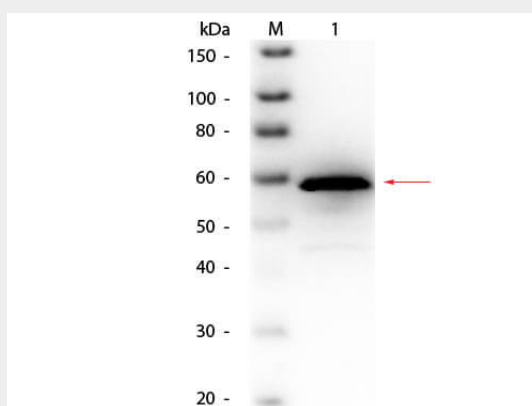
Oxidizes choline to betaine, probably via two successive reactions with betaine aldehyde as an intermediate (PubMed:6997283). Accepts either choline or the reaction intermediate betaine-aldehyde as substrate (PubMed:6997283). Glycine-betaine accumulates to high levels in the cytoplasm of cells to prevent dehydration and plasmolysis in adverse hyperosmotic environments (By similarity).

Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Biotin 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 Biotin Conjugated - Images



Western Blot of Goat anti-Choline Oxidase (Alcaligenes species) Antibody Biotin Conjugated. Lane 1: Choline Oxidase (Alcaligenes species). Load: 50 ng per lane. Primary antibody: Goat anti-Choline Oxidase (Alcaligenes species) Antibody Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP streptavidin secondary antibody at 1:40,000 for 30 min at RT.

Block: MB-070 for 30 min at RT. Predicted/Observed size: 60 kDa, 60 kDa for Choline Oxidase

Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody Biotin Conjugated - Background

Choline Oxidase is a flavoprotein responsible for the catalyzing the conversion of choline to betaine aldehyde in animals and bacteria. Anti-Choline Oxidase antibody is ideal for researchers interested in Metabolism and Signal Transduction research.