

Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody - 100-101-094

Code: 100-101-094

Size: 2 mL

Product Description: Anti-CHOLINE OXIDASE (Alcaligenes species) (GOAT) Antibody - 100-101-094

Concentration: 90 mg/mL by Refractometry

PhysicalState: Lyophilized

Label	Unconjugated
Host	Goat
Gene Name	CHOX_ALCSP
Species Reactivity	Alcaligenes species
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	Choline oxidase, goat anti-Choline Oxidase Antibody
Application Note	Goat anti-Choline Oxidase Antibody has been 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 1:32,000 of the reconstitution concentration is suggested for this product.
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.
Purity And Specificity	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Choline Oxidase [Alcaligenes species]. Cross reactivity against Choline Oxidase from other sources is unknown.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:20,000
Western Blot	1:500 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Choline Oxidase [Alcaligenes species]
Related Products	
605-703-125	Anti-GOAT IgG (H&L) (DONKEY) Antibody Peroxidase Conjugated (Min X Ch GP Ham Hs Ms Rb & Rt Serum Proteins) - 605-703-125
605-743-125	Anti-GOAT IgG (H&L) (DONKEY) Antibody DyLight™ 649 Conjugated (Min X Ch GP Ham Hs Ms Rb & Rt Serum Proteins) - 605-743-125
B304	NORMAL GOAT SERUM (NGS) - B304
MB-070	Blocking Buffer for Fluorescent Western Blotting - MB-070

Related Links

UniProtKB - P16101

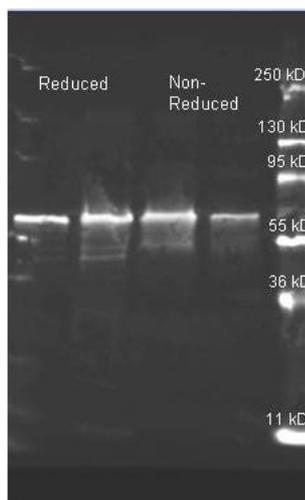
<http://www.uniprot.org/uniprot/P16101>

NCBI - 116367 <http://www.ncbi.nlm.nih.gov/protein/116367>

Images

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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.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.