

Datasheet for ABIN1607803
anti-CES3 antibody (Biotin)



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1 Image

Overview

Quantity:	100 µg
Target:	CES3
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CES3 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Esterase Antibody Biotin Conjugated
Immunogen:	Immunogen: Esterase [Porcine Liver] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Esterase [Porcine Liver].
Characteristics:	Synonyms: rabbit anti-Esterase Antibody biotin Conjugation, biotin conjugated rabbit anti-Esterase Antibody, Liver carboxylesterase, Proline-beta-naphthylamidase, Retinyl ester hydrolase
Purification:	Anti-Esterase 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.

Target Details

Target:	CES3
Alternative Name:	CES3 (CES3 Products)
Background:	Background: Anti-Esterase antibody is involved in the detoxification of xenobiotics, as well as in the activation of ester and amide prodrugs. The antibody is inactive on long-chain triacylglycerols and diacylglycerol, but active towards triacylglycerides composed with short-chain fatty acids from C2 to C6 and monoacylglycerols containing fatty acids from C2 to C12. Esterase hydrolyzes aromate and alkyl esters and vitamin A acetate, the rate of hydrolysis varies due to the hydrolyzing substances. Anti-Esterase antibody member of the type-B carboxylesterase/lipase family.
Gene ID:	100626873, 343791015
UniProt:	Q29550
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	<p>Application Note: Anti-Esterase Biotin Conjugated Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 µg of Esterase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:20,000 of the reconstitution concentration is suggested for this product.</p> <p>Western Blot Dilution: User Optimized</p> <p>ELISA Dilution: 1:2,000 - 1:5,000</p> <p>Other: User Optimized</p>
Restrictions:	For Research Use only

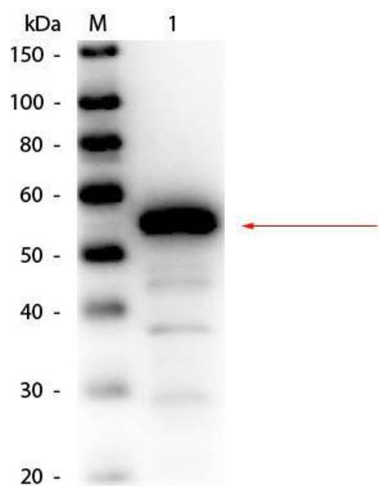
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	10 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Handling

	Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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. Western Blot of Rabbit anti-Esterase Antibody Biotin Conjugated. Lane 1: Esterase (Porcine Liver). Load: 50 ng per lane. Primary antibody: Rabbit anti-Esterase 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: ABIN925618 for 30 min at RT. Predicted/Observed size: 62 kDa, 55 kDa for Esterase.