

Datasheet for ABIN1607803
anti-Esterase antibody (Biotin)[Go to Product page](#)

1 Image

Overview

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

Product Details

Immunogen:	Esterase [Porcine Liver] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivities against Esterase from other sources may occur but have not been specifically determined.
Purity:	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. 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].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Esterase
Abstract:	Esterase Products
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 aromatic 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. Synonyms: Liver carboxylesterase, EC=3.1.1.1, Proline-beta-naphthylamidase, Retinyl ester hydrolase
Gene ID:	100626873, 343791015
UniProt:	Q29550

Application Details

Application Notes:	Anti-Esterase has been 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. ELISA Dilution: 1:5.000 - 1:25.000 Western Blot Dilution: 1:500 - 1:3.000
Restrictions:	For Research Use only

Handling

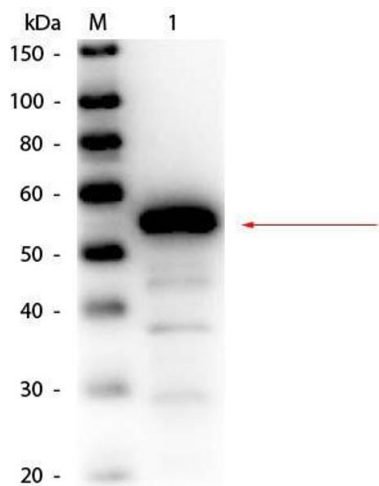
Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated

Handling

above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Expiry Date: Expiration date is one (1) year from date of opening.

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.