

Datasheet for ABIN5596851
anti-Esterase antibody (HRP)[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 HRP
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Esterase [Porcine Liver] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Esterase from other tissues and species may occur but have not been specifically determined.
Purification:	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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Esterase [Porcine Liver].

Target Details

Target:	Esterase
Abstract:	Esterase Products
Background:	<p>Synonyms: Liver carboxylesterase, EC=3.1.1.1, Proline-beta-naphthylamidase, Retinyl ester hydrolase</p> <p>Background: Esterase is a hydrolase enzyme that splits esters into an acid and an alcohol in a chemical reaction with water called hydrolysis.</p> <p>Gene Name: CES3</p>
Gene ID:	100626873
UniProt:	Q29550

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: User Optimized</p> <p>Application Note: Anti-Esterase has been assayed against 1.0 µg of Esterase [Porcine Liver] in a standard capture ELISA using 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 1:1,000 to 1:3,500 of the reconstitution concentration is suggested for this product.</p> <p>Western Blot Dilution: 1:250 - 1:1,000</p> <p>ELISA Dilution: 1:1,000 - 1:5,000</p>
Restrictions:	For Research Use only

Handling

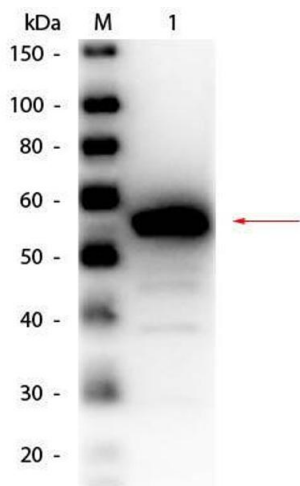
Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

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 Peroxidase Conjugated. Lane 1: Esterase (Porcine Liver). Load: 50 ng per lane. Primary antibody: Rabbit anti-Esterase Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 62 kDa, 55 kDa for Esterase.