Datasheet for ABIN98993

anti-CES3 antibody

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Overview

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

Product Details

Purpose:	Esterase Antibody
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-Rabbit Serum as well as purified and partially purified Esterase [Porcine Liver].
Characteristics:	Synonyms: 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: Esterase is involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. It is active towards triacylglycerides containing short-chain fatty acids from C2 to C6, and 13-monoacylglycerols containing fatty acids from C2 to C12, and inactive on long-chain triacylglycerols and diacylglycerol. it hydrolyzes aromatic and alkyl esters and vitamin A acetate. The hydrolysis rate depends upon the amino acid promoiety and the esterification site of the prodrug. Aromatic promoieties are favored, highest rates are observed with phenylalanyl progdrugs, hydrolysis of valyl and isoleucyl prodrugs is less efficient. With floxuridine prodrugs, activity is higher on 5' monoesters than on 3' monoesters, while with gemcitabine prodrugs, activity is higher on 3' monoesters than on 5' monoesters.
Gene ID:	100626873, 343791015
UniProt:	Q29550
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Application Note: Anti-Esterase is suitable for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Western Blot Dilution: 1:1,000 - 1:5,000 ELISA Dilution: 1:10,000 - 1:50,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	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