

Datasheet for ABIN7565876  
**anti-CELA1 antibody (HRP)**



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## Overview

Quantity:	25 µL
Target:	CELA1
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CELA1 antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Purpose:	Elastase Antibody Peroxidase Conjugated
Immunogen:	Immunogen: Elastase [Porcine Pancreas] Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Elastase [Porcine Pancreas].
Characteristics:	Synonyms: rabbit anti-Elastase Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Elastase Antibody, Fecal pancreatic elastase 1 antibody, HLE antibody, Medullasin antibody, Pancreatic elastase IIA antibody, PE 1 antibody, PE1 antibody, Protease E antibody
Purification:	Elastase 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.
Sterility:	Sterile filtered

## Target Details

Target:	CELA1
Alternative Name:	CELA1 ( <a href="#">CELA1 Products</a> )
Background:	Background: Elastase is an enzyme from the class of proteases (peptidases) that break down proteins. Elastase breaks down elastin, an elastic fiber that, together with collagen, determines the mechanical properties of connective tissue. Elastase also has the important immunological role of breaking down Shigella virulence factors. Elastase is responsible for pulmonary emphysema, cyclic hematopoiesis, and blistering in bullous pemphigoid.
Gene ID:	396766
NCBI Accession:	<a href="#">NP_998988</a>
UniProt:	<a href="#">P00772</a>

## Application Details

Application Notes:	<p>Application Note: Anti-Elastase Peroxidase conjugated antibody has been tested by ELISA and western blot. This product is assayed against 1.0 µg of Elastase [Porcine Pancreas] 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 1:200 to 1:1,000 of the reconstitution concentration is suggested for this product.</p> <p>Immunohistochemistry Dilution: User Optimized Western Blot Dilution: 1:500 - 1:2,000 ELISA Dilution: 1:5,000 - 1:20,000 Other: User Optimized</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1.0 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 Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add 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:	-20 °C

## Handling

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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 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. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

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