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Datasheet for ABIN5596709  
**anti-Elastase antibody (HRP)**

### Overview

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

### Product Details

Immunogen:	Immunogen: Elastase [Porcine Pancreas] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Elastase from other tissues and species may occur but have not been specifically determined.
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. 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].

## Target Details

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Target:	Elastase
Abstract:	<a href="#">Elastase Products</a>
Background:	<p>Synonyms: Fecal pancreatic elastase 1 antibody, HLE antibody, Medullasin antibody, Pancreatic elastase IIA antibody, PE 1 antibody, PE1 antibody, Protease E antibody</p> <p>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.</p> <p>Gene Name: CELA1</p>
Gene ID:	396766
UniProt:	<a href="#">P00772</a>

## Application Details

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Application Notes:	<p>Immunohistochemistry Dilution: User Optimized</p> <p>Application Note: Anti-Elastase has been 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>Western Blot Dilution: 1:500 - 1:2,000</p> <p>ELISA Dilution: 1:5,000 - 1:20,000</p>
Restrictions:	For Research Use only

## Handling

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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

## Handling

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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
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