

Datasheet for ABIN568185
anti-CELA1 antibody



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Overview

Quantity:	1 mg
Target:	CELA1
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CELA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Enzyme Immunoassay (EIA), Immunofluorescence (IF), Dot Blot (DB), Immunodiffusion (ID), Radioimmunoassay (RIA)

Product Details

Immunogen:	Elastase isolated and purified from Porcine pancreas. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	The antibody recognizes Elastase from Porcine panceas. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, Single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and enzyme inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
Purification:	Solid Phase Affinity Chromatography

Target Details

Target:	CELA1
Alternative Name:	Elastase-1 (CELA1 Products)
Background:	Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Elastase is a serine protease which exhibits endopeptidase activity on many proteins, its principal substrate, however, is elastin and it is unique among proteases in its ability to hydrolyse native elastin. It is present in the pancreas, leukocytes and serum. Elastase consists of a single polypeptide chain with a molecular weight of 29.5 kDa. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Like most of the human elastases, elastase 2A is secreted from the pancreas as a zymogen. In other species, elastase 2A has been shown to preferentially cleave proteins after leucine, methionine, and phenylalanine residues. Elastase 1 is not a pancreatic enzyme: clinical literature that describes human elastase 1 activity in the pancreas is actually referring to elastase 2A. Synonyms: CELA1, Chymotrypsin-like elastase family member 1, ELA1
Gene ID:	396766
NCBI Accession:	NP_998988
UniProt:	P00772

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore by adding 0.5 mL of sterile distilled water
Concentration:	2.0 mg/mL
Buffer:	PBS, pH 7.2 stabilized with Dextran, without preservatives and foreign proteins
Preservative:	Without preservative
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody lyophilized at 2-8 °C and reconstituted at 2-8 °C for one week or (in aliquots) at -20 °C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation.