antibodies

Datasheet for ABIN6939416 Recombinant anti-Elastase 3B antibody (AA 82-238)





Overview

proprietary)Clone:RCELA3B-1811Isotype:IgG1 kappaSpecificity:This MAb recognizes a protein of ~30 kDa, identified as CELA3B (Chymotrypsin lik family member 3B). Elastases form a subfamily of serine proteases that hydrolyze proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3		
Binding Specificity: AA 82-238 Reactivity: Human Host: Mouse Antibody Type: Recombinant Antibody Clonality: Monoclonal Conjugate: This Elastase 3B antibody is un-conjugated Application: Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM) Product Details Immunogen: Recombinant human CELA3B protein fragment (around aa 82-238) (exact sequend proprietary) Clone: RCELA3B-1811 Isotype: IgG1 kappa Specificity: This MAb recognizes a protein of ~30 kDa, identified as CELA3B (Chymotrypsin likk family member 3B). Elastases form a subfamily of serine proteases that hydrolyze proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the similar proteins in addition to elastin. Humans have six elastase genes which encode the si	Quantity:	100 µg
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pancreas as a zymogen and, like other serine proteases such as trypsin, chymotry	Specificity:	This MAb recognizes a protein of ~30 kDa, identified as CELA3B (Chymotrypsin like elastase family member 3B). Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3B has little elastolytic activity. Like most of the human elastases, elastase 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and

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Product Details

	kallikrein, it has a digestive function in the intestine. Elastase 3B preferentially cleaves proteins
	after alanine residues. Elastase 3B may also function in the intestinal transport and metabolism
	of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as
	elastase 1, and excretion of this protein in fecal material is frequently used as a measure of
	pancreatic function.
Purification:	Purified by Protein A/G
Target Details	

Target:	Elastase 3B (ELA3B)
Alternative Name:	CELA3B (ELA3B Products)
Molecular Weight:	~17kDa
Gene ID:	23436
UniProt:	P08861

Application Details

Application Notes:	Positive Control: Panc-28 or PANC1 cells. Human Pancreas.
	Known Application: Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2
	µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections
	in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)
	Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

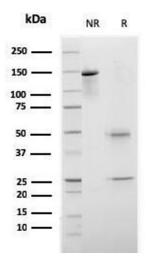
Handling

Concentration:	200 ug/ml
Concentration.	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody
	is stable for 24 months. Non-hazardous. No MSDS required.

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24 months

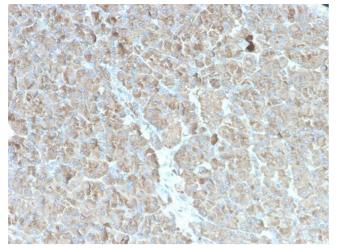
Images



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SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CELA3B Recombinant Mouse Monoclonal Antibody (rCELA3B/1811). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human pancreas stained with CELA3B Recombinant Mouse Monoclonal Antibody (rCELA3B/1811)