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

2 Images



Go to Product page

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Quantity:	100 μg			
Target:	Elastase 3B (ELA3B)			
Binding Specificity:	AA 82-238			
Reactivity:	Human			
Host:	Rabbit			
Antibody Type:	Recombinant Antibody			
Clonality:	Monoclonal			
Conjugate:	This Elastase 3B antibody is un-conjugated			
Application:	Immunohistochemistry (IHC), Staining Methods (StM)			
Product Details				
Immunogen:	Recombinant human CELA3B protein fragment (around aa 82-238) (exact sequence is proprietary)			
Clone:	CELA3B-2809R			
Isotype:	IgG			
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			

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. Pancreas.

Known Application: Immunohistochemistry (Formalin-fixed) (1-2 μ g/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

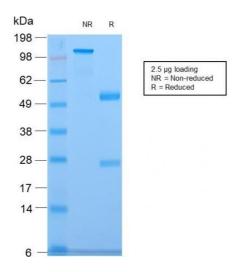
Handling

Concentration:	200 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.		

Expiry Date:

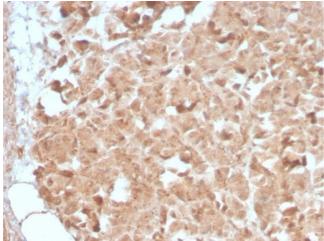
24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified CELA3B Rabbit Recombinant Monoclonal Antibody (CELA3B/2809R). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human
Pancreas stained with CELA3B Rabbit Recombinant
Monoclonal Antibody (CELA3B/2809R).