antibodies

# Datasheet for ABIN4949400 anti-Elastase 3B antibody (AA 82-238)

3 Images



Overview

Quantity:	100 µg
Target:	Elastase 3B (ELA3B)
Binding Specificity:	AA 82-238
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Elastase 3B antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p))

## Product Details

Immunogen:	A partial recombinant protein (aa 82-238) was used as the immunogen for the Elastase 3B antibody.
Clone:	CELA3B-1257
Isotype:	lgG1
Purification:	Protein G
Target Details	
Target:	Elastase 3B (ELA3B)
Alternative Name:	CELA3B / Elastase 3B (ELA3B Products)

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## Target Details

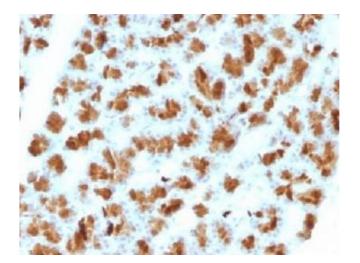
Background:	Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to
	elastin. Humans have six genes which encode the structurally similar proteins: Elastase 1, 2, 2A,
	2B, 3A, and 3B. Unlike other elastases, 3B has little elastolytic activity. Like most of the human
	elastases, 3B is secreted from the pancreas as a zymogen and, like other serine proteases such
	as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3B
	preferentially cleaves proteins after alanine residues. It may also function in the intestinal
	transport and metabolism of cholesterol. Elastases 3A/B 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 in clinical assays.

## Application Details

Application Notes:	Optimal dilution of the Elastase 3B antibody should be determined by the researcher.
	1. FFPE staining requires\. ELISA: 2-4 $\mu g/mL$ , order BSA free format for coating,FACS: 0.5-1 $\mu$
	g/10^6 cells in 0.1ml,IF: 1-2 $\mu g/mL$ , IHC-P: 1-2 $\mu g/mL$ for 30 min at RT
Restrictions:	For Research Use only

# Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Elastase 3B antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



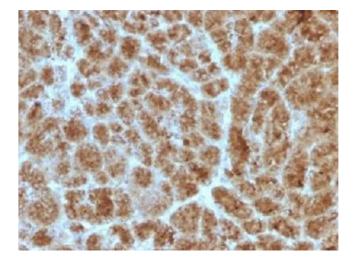
### Immunohistochemistry

**Image 1.** IHC testing of FFPE rat pancreas with Elastase 3B antibody (clone CELA3B/1257). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.

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### SDS-PAGE

**Image 2.** SDS-PAGE Analysis of Purified, BSA-Free Elastase 3B Antibody (clone CELA3B/1257). Confirmation of Integrity and Purity of the Antibody.



#### Immunohistochemistry

**Image 3.** IHC testing of FFPE human pancreas with Elastase 3B antibody (clone CELA3B/1257). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.

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