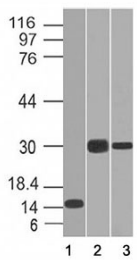
CELA3B Antibody [clone CELA3B/1218] (V2504)

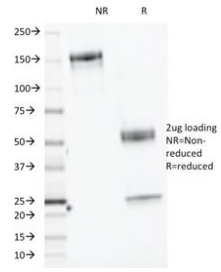
Catalog No.	Formulation	Size
V2504-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2504-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2504SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CELA3B/1218
Purity	Protein G affinity chromatography
UniProt	P08861
Localization	Cytoplasmic
Applications	ELISA : 2-4ug/ml (order BSA/azide-free format) Western Blot : 0.5-1ug/ml
Limitations	This CELA3B antibody is available for research use only.



Western blot of 1) partial recombinant protein, 2) Panc-28 and 3) PANC1 cell lysate using CELA3B antibody (CELA3B/1218). Predicted molecular weight ~29 kDa.



SDS-PAGE Analysis of Purified, BSA-Free CELA3B Antibody (clone CELA3B/1218). Confirmation of Integrity and Purity of the Antibody.

Description

CELA3B Antibody recognizes a protein of ~30kDa, identified as Chymotrypsin like elastase family member 3B, or Elastase 3B. 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.

Researchers studying pancreatic differentiation, exocrine digestive enzyme biology, and acinar cell-associated tumor pathways may also be interested in our Elastase 3B Antibody / Pancreatic Digestive Enzyme page featuring validated immunohistochemistry and western blot applications for pancreatic research.

Application Notes

Optimal dilution of the CELA3B antibody should be determined by the researcher.

Immunogen

A partial recombinant protein (aa 82-238) was used as the immunogen for the CELA3B antibody.

Storage

Store the CELA3B antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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