10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Elastase-2B Rabbit pAb

Catalog # AP97530

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P08218
Other Accession	P08218
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28810
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Elastase-2B
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 3A has little elastolytic activity. Like most of the human elastases, elastase 3A 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 3A preferentially cleaves proteins after alanine residues. Elastase 3A 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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	51032
Other Names	CEL2B_HUMAN; CELA2B; Elastase-2B; 3.4.21.71; ELA2B; chymotrypsin like elastase 2B; chymotrypsin-like elastase family, member 2B; pancreatic elastase IIB
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CELA2B
Synonyms	ELA2B
Function	Acts upon elastin.
Cellular Location	Secreted.
Tissue Location	Pancreas.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.