

Product Datasheet

Elastase Antibody (CELA3B/1257)

NBP2-47645-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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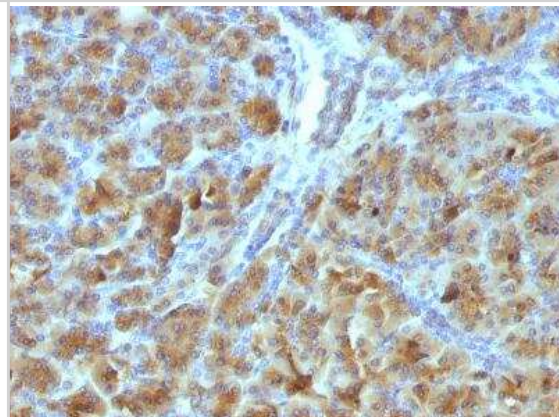
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Elastase Antibody (CELA3B/1257)

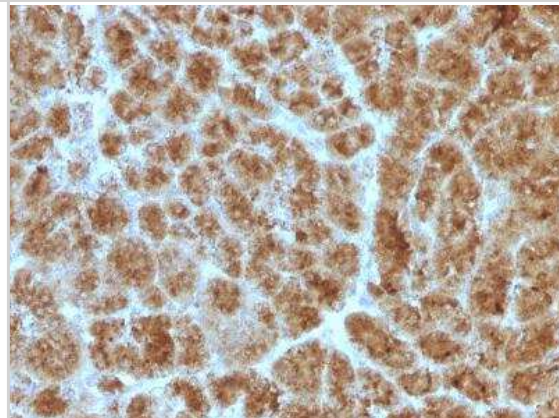
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	CELA3B/1257
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	17 kDa
Product Description	
Host	Mouse
Gene ID	23436
Gene Symbol	CELA3B
Species	Human, Mouse, Rat
Marker	Pancreatic Function Marker
Specificity/Sensitivity	This MAb recognizes a protein of ~30kDa, 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 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 in clinical assays.
Immunogen	Recombinant human CELA3B Recombinant human CELA3B fragment of 157 amino acid residues (aa82-238)
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 0.5-1ug/ml, Immunofluorescence 0.5-1ug/ml
Application Notes	Human Chromosome Location: 1p36.12 Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)

Images

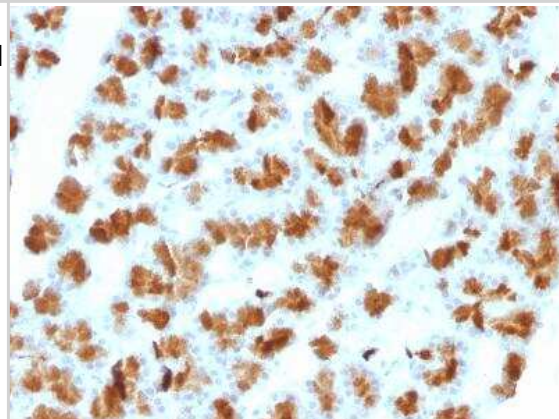
Immunohistochemistry-Paraffin: Elastase Antibody (CELA3B/1257) [NBP2-47645] - Formalin-fixed, paraffin-embedded Mouse Pancreas stained with CELA3B Monoclonal Antibody (CELA3B/1257).



Immunohistochemistry-Paraffin: Elastase Antibody (CELA3B/1257) [NBP2-47645] - Formalin-fixed, paraffin-embedded Human Pancreas stained with CELA3B Monoclonal Antibody (CELA3B/1257)



Immunohistochemistry-Paraffin: Elastase Antibody (CELA3B/1257) [NBP2-47645] - Formalin-fixed, paraffin-embedded Rat Pancreas stained with CELA3B Monoclonal Antibody (CELA3B/1257).





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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