



CELA3B Antibody (N-term) Blocking peptide

Synthetic peptide Catalog # BP13770a

## **Specification**

CELA3B Antibody (N-term) Blocking peptide - Product Information

Primary Accession P08861

CELA3B Antibody (N-term) Blocking peptide - Additional Information

**Gene ID 23436** 

### **Other Names**

Chymotrypsin-like elastase family member 3B, Elastase IIIB, Elastase-3B, Protease E, CELA3B, ELA3B

## Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13770a was selected from the N-term region of CELA3B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CELA3B Antibody (N-term) Blocking peptide - Protein Information

Name CELA3B

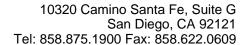
Synonyms ELA3B

## CELA3B Antibody (N-term) Blocking peptide - Background

Elastases form a subfamily of serine proteases thathydrolyze many proteins in addition to elastin. Humans have sixelastase genes which encode the structurally similar proteinselastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase3B has little elastolytic activity. Like most of the humanelastases, elastase 3B is secreted from the pancreas as a zymogenand, like other serine proteases such as trypsin, chymotrypsin andkallikrein, it has a digestive function in the intestine. Elastase3B preferentially cleaves proteins after alanine residues. Elastase3B may also function in the intestinal transport and metabolism ofcholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1, and excretion of this protein infecal material is frequently used as a measure of pancreaticfunction in clinical assays.

## CELA3B Antibody (N-term) Blocking peptide - References

Gao, J., et al. Oncol. Rep. 23(6):1683-1692(2010)Teichmann, J., et al. Eur. J. Med. Res. 13(12):563-567(2008)Hahn, J.U., et al. Pancreas 36(3):274-278(2008)Mann, S.T., et al. Eur. J. Med. Res. 13(2):68-72(2008)Vesterhus, M., et al. Diabetes Care 31(2):306-310(2008)





**Function** 

Efficient protease with alanine specificity but only little elastolytic activity.

**Tissue Location** 

Pancreas. Not detectable in keratinocytes.

# **CELA3B Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides