

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 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.

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](#)