

CELA1 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP17787a

Specification

CELA1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

Q9UNI1

CELA1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 1990

Other Names

Chymotrypsin-like elastase family member 1, Elastase-1, Pancreatic elastase 1, CELA1, ELA1

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.

CELA1 Antibody (N-term) Blocking Peptide - Protein Information

Name CELA1

Synonyms ELA1

Function

Serine proteases that hydrolyze many proteins in addition to elastin.

Cellular Location

Secreted {ECO:0000250|UniProtKB:P00772}.

Tissue Location

Basal layers of epidermis (at protein level). Not expressed in the pancreas.

CELA1 Antibody (N-term) Blocking Peptide - Protocols

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

• Blocking Peptides

CELA1 Antibody (N-term) Blocking Peptide - Images



CELA1 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, pancreatic elastase 1 is not expressed in the pancreas. To date, elastase 1 expression has only been detected in skin keratinocytes. Clinical literature that describes human elastase 1 activity in the pancreas or fecal material is actually referring tochymotrypsin-like elastase family, member 3B.

CELA1 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Roberts, K.E., et al. Gastroenterology 139(1):130-139(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Talas, U., et al. J. Invest. Dermatol. 114(1):165-170(2000)