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

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

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

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 thepancreas 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)