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

CEL Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12555c

Specification

CEL Antibody (Center) Blocking peptide - Product Information

Primary Accession P19835

CEL Antibody (Center) Blocking peptide - Additional Information

Other Names
Bile salt-activated lipase, BAL, Bile salt-stimulated lipase, BSSL, Bucelipase, Carboxyl ester lipase, Cholesterol esterase, Pancreatic lysophospholipase, Sterol esterase, CEL, BAL

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.

CEL Antibody (Center) Blocking peptide - Protein Information

Name CEL

Synonyms BAL

Function
Catalyzes the hydrolysis of a wide range of substrates including cholesteryl esters, phospholipids, lysophospholipids, di- and tri-acylglycerols, and fatty acid esters of hydroxy fatty acids (FAHFAs) (PubMed:8471055, PubMed:27509211, PubMed:10220579, PubMed:27650499). Preferentially hydrolyzes FAHFAs with the ester bond further away from the carboxylate. Unsaturated FAHFAs are hydrolyzed more quickly than saturated FAHFAs (By similarity). Has an essential role in the complete digestion of dietary lipids and their intestinal absorption, along with the absorption of fat-soluble vitamins (PubMed:8471055, PubMed:27509211, PubMed:10220579, PubMed:27650499).

Cellular Location
Secreted.

Tissue Location
Mammary gland and pancreas. Detected in pancreatic and duodenal juice (at protein level) (PubMed:21784842). Expressed by eosinophils.

CEL Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

CEL Antibody (Center) Blocking peptide - Images

CEL Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a glycoproteinsecreted from the pancreas into the digestive tract and from thelactating mammary gland into human milk. The physiological role ofthis protein is in cholesterol and lipid-soluble vitamin esterhydrolysis and absorption. This encoded protein promotes largechylomicron production in the intestine. Also its presence inplasma suggests its interactions with cholesterol and oxidizedlipoproteins to modulate the progression of atherosclerosis. Inpancreatic tumoral cells, this encoded protein is thought to besequestrated within the Golgi compartment and is probably notsecreted. This gene contains a variable number of tandem repeat(VNTR) polymorphism in the coding region that may influence thefunction of the encoded protein.

CEL Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Torsvik, J., et al. Hum. Genet. 127(1):55-64(2010)McGeachie, M., et al. Circulation 120(24):2448-2454(2009)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Li, L., et al. Metab. Clin. Exp. 57(10):1361-1368(2008)