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APOA1 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP12631b

Specification

APOA1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession P02647

APOA1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 335

Other Names
Apolipoprotein A-I, Apo-AI, ApoA-I, Apolipoprotein A1, Proapolipoprotein A-I, ProapoA-I, Truncated apolipoprotein A-I, Apolipoprotein A-I(1-242), APOA1

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.

APOA1 Antibody (C-term) Blocking peptide - Protein Information

Name APOA1 (HGNC:600)

Function
Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). As part of the SPAP complex, activates spermatozoa motility.

Cellular Location
Secreted.

Tissue Location
Major protein of plasma HDL, also found in chylomicrons. Synthesized in the liver and small intestine. The oxidized form at Met-110 and Met-136 is increased in individuals with increased risk for coronary artery disease, such as in carrier of the eNOSa/b genotype and exposure to cigarette smoking. It is also present in increased levels in aortic lesions relative to native ApoA-I and increased levels are seen with increasing severity of disease

APOA1 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

APOA1 Antibody (C-term) Blocking peptide - Images

APOA1 Antibody (C-term) Blocking peptide - Background

This gene encodes apolipoprotein A-I, which is the majorprotein component of high density lipoprotein (HDL) in plasma. Theprotein promotes cholesterol efflux from tissues to the liver forexcretion, and it is a cofactor for lecithincholesterolacyltransferase (LCAT) which is responsible for theformation of most plasma cholesteryl esters. This gene is closelylinked with two other apolipoprotein genes on chromosome 11.Defects in this gene are associated with HDL deficiencies,including Tangier disease, and with systemic non-neuropathicamyloidosis.

APOA1 Antibody (C-term) Blocking peptide - References

Clemente-Postigo, M., et al. Clin. Biochem. 43 (16-17), 1300-1304 (2010) :Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Dawar, R., et al. Am. J. Clin. Pathol. 134(2):249-255(2010)Mattei, J., et al. Nutr Metab Cardiovasc Dis (2010) In press :Bencharif, K., et al. Lipids Health Dis 9, 75 (2010) :