

APOA1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12631b**Specification**

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

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 major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin:cholesterol acyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis.

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) :