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Anti-Apolipoprotein A1 Antibody

Catalog # AP51923

Product Information

Application	WB
Primary Accession	P02647
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30778

Additional Information

Gene ID	335
Other Names	Apolipoprotein A-I; Apo-AI; ApoA-I; Apolipoprotein A1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Apolipoprotein A1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

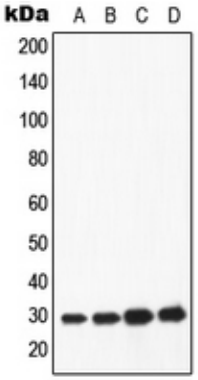
Protein Information

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

References

Shoulders C.C.,et al.Nucleic Acids Res. 11:2827-2837(1983).
Cheung P.,et al.Nucleic Acids Res. 11:3703-3715(1983).
Karathanasis S.K.,et al.Proc. Natl. Acad. Sci. U.S.A. 80:6147-6151(1983).
Seilhamer J.J.,et al.DNA 3:309-317(1984).
Sharpe C.R.,et al.Nucleic Acids Res. 12:3917-3932(1984).

Images



Western blot analysis of Apolipoprotein A1 expression in HepG2 (A), HeLa (B), mouse heart (C), rat heart (D) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 29 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.