

Rabbit anti-Human Apolipoprotein A-I/APOA1 Polyclonal Antibody | anti-APOA1 antibody

Anti-Apolipoprotein A-I/APOA1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257519	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Apolipoprotein A-I/APOA1; Polyclonal Antibody; Anti-Apolipoprotein A-I/APOA1 Antibody; Rabbit Polyclonal; APOA1/ApoAI Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-Apolipoprotein A-I Antibody; apolipoprotein A-I; anti-APOA1 antibody

PRODUCT SPECIFICATIONS

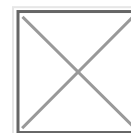
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human APOA1/ApoAI
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. 0.2um filtered solution in PBS
Applicable Applications for anti-APOA1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human APOA1/ApoAI protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human APOA1/ApoAI (rh APOA1/ApoAI; P02647; Asp25-Gln267).APOA1/ApoAI specific IgG was purified by Human APOA1/ApoAI affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



WB (Western Blot)

Anti-APOA1 rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:31 kDaObserved band size:27 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)

APOA1 was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell Lysate2 uL anti-APOA1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-APOA1 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 27 kDaObserved band size: 27 kDa



IHC (Immunohistochemistry)

Immunochemical staining of human APOA1 in human cirrhosis with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-APOA1 antibody

Background: Apolipoprotein A1 (APOA1) is a member of the apolipoprotein family whose members are proteins bind with lipids and form lipoproteins to transport these oil-soluble lipids such as fat and cholesterol through lymphatic and circulatory system. APOA1 is the main component of high density lipoprotein (HDL) in plasma and is involved in the esterification of cholesterol as a cofactor of lecithin-cholesterol acyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters, and thus play a major role in cholesterol efflux from peripheral cells. As a major component of the HDL complex, APOA1 helps to clear cholesterol from arteries. APOA1 is also characterized as a prostacyclin stabilizing factor, and thus may have an anticlotting effect. Defects in encoding gene may result in HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Men carrying a mutation may develop premature coronary artery disease.

References

Toptas B, et al. (2011) Comparison of lipid profiles with APOA1 MspI polymorphism in obese children with hyperlipidemia. *In Vivo*. 25(3): 425-30. Haase CL, et al. (2011) Mutation in APOA1 predicts increased risk of ischaemic heart disease and total mortality without low HDL cholesterol levels. *J Intern Med*. 270(2): 136-46. Wu Z, et al. (2011) The low resolution structure of ApoA1 in spherical high density lipoprotein revealed small angle neutron scattering. *J Biol Chem*. 286(14): 12495-508.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/apolipoprotein-a-i-apoa1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/257519>