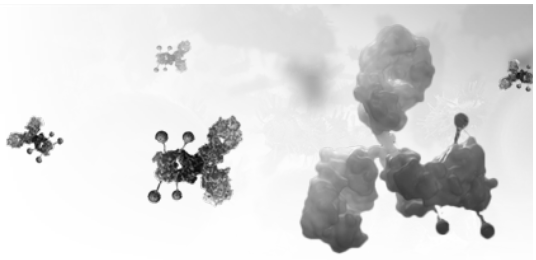

Rabbit Anti-Human Apolipoprotein A-I/APOA1 monoclonal antibody, clone S142 (CABT-ZB605)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human Apolipoprotein A-I/APOA1
Target	APOA1
Immunogen	Recombinant Human Apolipoprotein A-I/ApoA1 Protein
Isotype	IgG2b
Source/Host	Rabbit
Species Reactivity	Human
Clone	S142
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect Apolipoprotein A-I/APOA1 in antibody pair set. [ABPR-ZB183]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Apolipoprotein A-I / ApoA1.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Apolipoprotein A1 (APOA1) is a member of the apolipoprotein family whose members are proteins bind with lipids and form lipoproteins to translate 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.
Keywords	APOA1; apolipoprotein A-I; apo-AI

GENE INFORMATION

Synonyms	APOA1; apolipoprotein A-I; apo-AI
Entrez Gene ID	335
UniProt ID	P02647

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