



Anti-APOA1 polyclonal antibody [HRP] (CPBT-65858SH)

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

PRODUCT INFORMATION

Product Overview

Sheep anti Human Apolipoprotein A1 antibody reacts with human apolipoprotein A1 and does not react with other human plasma proteins. In ELISA the following reactivities are observed: Human apolipoprotein A1 100% Human apolipoprotein B;3% Human albumin;1% Apolipoprotein A1 is a single polypeptide with a molecular weight of 28 kDa. It is the major protein component of high density lipoprotein particles and functions in preventing the accumulation of cholesterol loaded macrophages which deposit on the arterial wall as foam cells. ELISA can be used in a sandwich ELISA as a detection antibody.

Specificity	APOLIPOPROTEIN A1
Immunogen	Human apolipoprotein A1
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Conjugate	HRP
Applications	ELISA; WB
Format	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Size	200 µg
Preservative	None
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	APOA1 apolipoprotein A-I [Homo sapiens (human)]
Official Symbol	APOA1
Synonyms	APOA1; apolipoprotein A-I; apo-AI; APOLIPOPROTEIN A1;
Entrez Gene ID	335
Protein Refseq	NP_000030
UniProt ID	P02647
Chromosome Location	11q23-q24
Pathway	ABC-family proteins mediated transport; ABCA transporters in lipid homeostasis; African trypanosomiasis; Amyloids; Binding and Uptake of Ligands by Scavenger Receptors; Chylomicron-mediated lipid transport; Disease; Diseases associated with visual transduction;
Function	apolipoprotein A-I receptor binding; apolipoprotein receptor binding; beta-amyloid binding; chemorepellent activity; cholesterol binding; contributes_to cholesterol transporter activity; cholesterol transporter activity; enzyme binding; high-density lipoprotein particle binding; high-density lipoprotein particle receptor binding; identical protein binding; lipase inhibitor activity; phosphatidylcholine binding; phosphatidylcholine-sterol O-acyltransferase activator activity; phospholipid binding; phospholipid transporter activity; protein binding;