

Datasheet for ABIN1724693

anti-APOA1 antibody**2** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	APOA1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APOA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	APOA1 Antibody
Immunogen:	Purified recombinant fragment of human APOA1 expressed in E. Coli.
Clone:	5F4F5
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	APOA1
Alternative Name:	APOA1 (APOA1 Products)
Background:	APOA1: apolipoprotein A-I, it 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

Target Details

a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in the Apolipoprotein A I gene are associated with HDL deficiency and Tangier disease. The therapeutic potential of apoA-I has been recently assessed in patients with acute coronary syndromes, using a recombinant form of a naturally occurring variant of apoA-I. The availability of recombinant normal apoA-I should facilitate further investigation into the potential usefulness of apoA-I in preventing atherosclerotic vascular diseases.

Molecular Weight: 25 kDa

Gene ID: 335

UniProt: [P02647](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#), [Production of Molecular Mediator of Immune Response](#), [Lipid Metabolism](#)

Application Details

Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

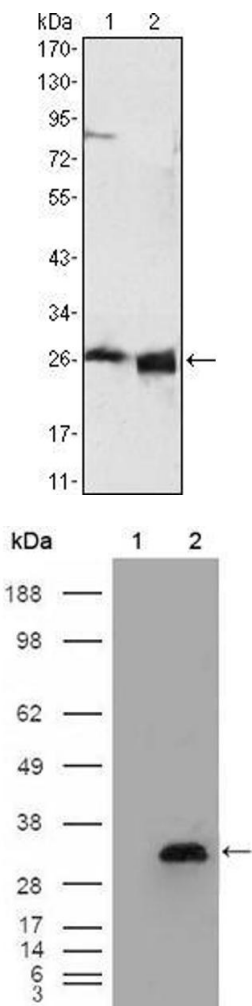
Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

Product cited in: Brown, Rea, Hamon, Hixson, Boerwinkle, Clark, Sing: "The contribution of individual and pairwise combinations of SNPs in the APOA1 and APOC3 genes to interindividual HDL-C variability." in: **Journal of molecular medicine (Berlin, Germany)**, Vol. 84, Issue 7, pp. 561-72, (2006) ([PubMed](#)).

Martina, Benso, Gigliardi, Masha, Origlia, Granata, Ghigo: "Short-term dehydroepiandrosterone treatment increases platelet cGMP production in elderly male subjects." in: **Clinical endocrinology**, Vol. 64, Issue 3, pp. 260-4, (2006) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis using APOA1 mouse mAb against HepG2 cell lysate (1) and human serum (2).

Western Blotting

Image 2. Western blot analysis using APOA1 mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY APOA1 cDNA (2).