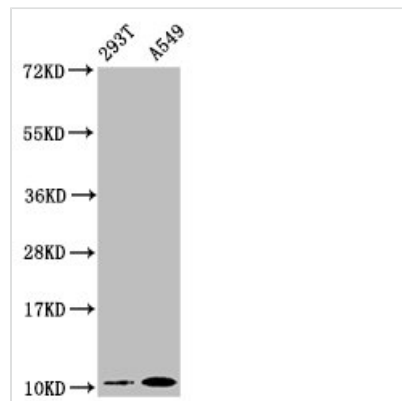




APOA2 Antibody

Product Code	CSB-RA001915A0HU
Abbreviation	Apolipoprotein A-II
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P02652
Immunogen	A synthesized peptide derived from human APOA2
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, FC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	May stabilize HDL (high density lipoprotein) structure by its association with lipids, and affect the HDL metabolism.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Apolipoprotein A-II, Apo-AII, ApoA-II, Apolipoprotein A2, Proapolipoprotein A-II, ProapoA-II, Truncated apolipoprotein A-II, Apolipoprotein A-II(1-76), APOA2
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular
Gene Names	APOA2
Accession NO.	6H2

Image



Western Blot

Positive WB detected in: 293T whole cell lysate, A549 whole cell lysate

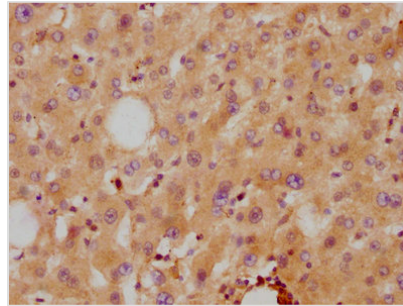
All lanes: Apolipoprotein A II antibody at 0.87µg/ml

Secondary

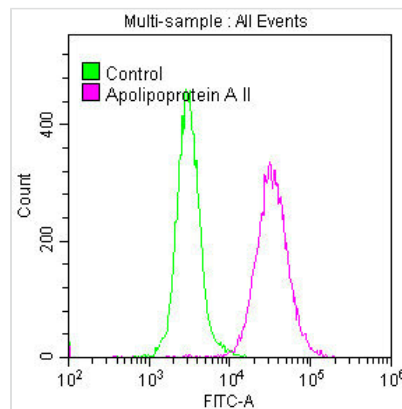
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 12 KDa

Observed band size: 12 KDa



IHC image of CSB-RA001915A0HU diluted at 1:87.5 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Overlay histogram showing A549 cells stained with CSB-RA001915A0HU (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4°C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Description

This is an APOA2 recombinant monoclonal antibody produced in vitro expression system. The clones constructed by the human APOA2 DNA gene and vector were transfected into the cell line for production. This APOA2 antibody is purified using affinity-chromatography. It is recommended for applications, including ELISA, WB, IHC, and FC.

APOA2 is a major constituent of high-density lipoprotein (HDL) mainly produced in the liver and small intestine. It appears to promote insulin secretion and play a role in protection against the development of the metabolic syndrome. Defects in the APOA2 gene may result in apolipoprotein A-II deficiency or hypercholesterolemia.