

A24291

Leader in Biomolecular Solutions for Life Science



# Apolipoprotein A1/APOA1 Rabbit mAb

Catalog No.: A24291

Recombinant

## Basic Information

### Observed MW

28kDa

### Calculated MW

28kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

WB,IF/ICC,IP,ELISA

### Cross-Reactivity

Human,Mouse

### CloneNo number

ARC63063

## Background

This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein.

## Recommended Dilutions

**WB** 1:2000 - 1:4000

**IF/ICC** 1:200 - 1:800

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts  
of whole cells

**ELISA** Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

## Immunogen Information

### Gene ID

335

### Swiss Prot

P02647

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

HPALP2; apo(a); Apolipoprotein A1/APOA1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

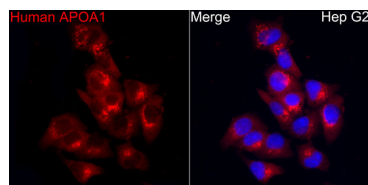
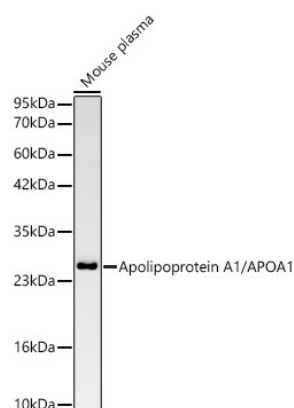
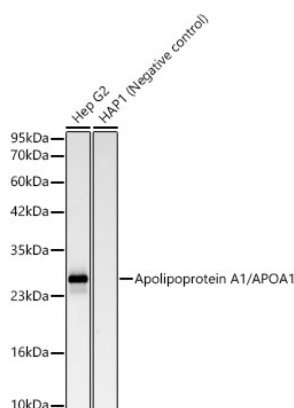
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Contact



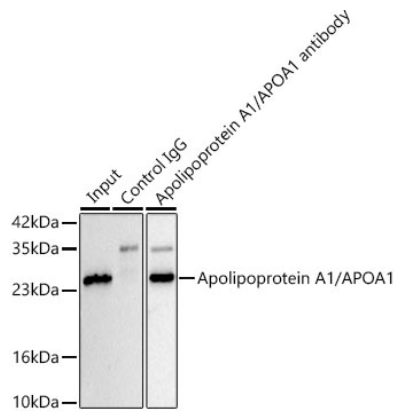
[www.abclonal.com](http://www.abclonal.com)

## Validation Data



Immunofluorescence analysis of HepG2 cells using Apolipoprotein A1/APOA1 Rabbit mAb (A24291) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunoprecipitation analysis of 300ug extracts of Hep G2 cells using 3ug Apolipoprotein A1/APOA1Rabbit mAb (A24291). Western blot was performed from the immunoprecipitate using Apolipoprotein A1/APOA1Rabbit mAb (A24290) at a dilution of 1:2000.