A24291

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Apolipoprotein A1/APOA1 Rabbit mAb

Catalog No.: A24291 Recombinant 1 Publications

Basic Information

Observed MW
28kDa

Calculated MW
28kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IF/ICC,IP,ELISA

Cross-Reactivity
Human,Mouse

Clone 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

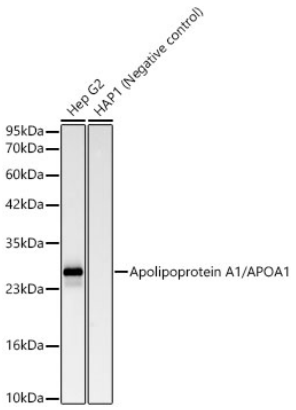
Purification
Affinity purification

Storage
Store at -20℃

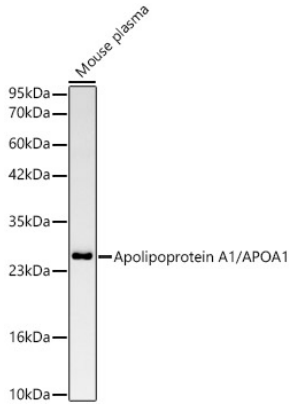
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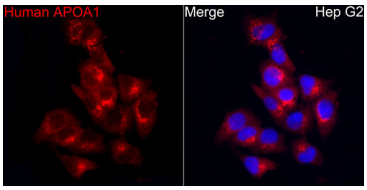
Validation Data



Western blot analysis of various lysates, using Apolipoprotein A1/APOA1 Rabbit mAb (A24291) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

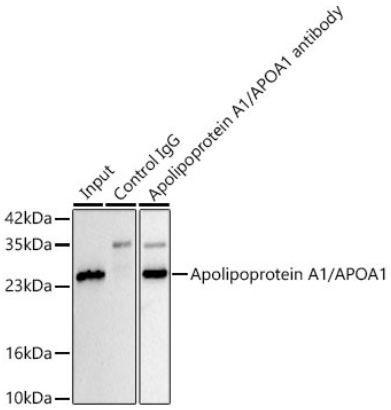


Western blot analysis of lysates from Mouse plasma, using Apolipoprotein A1/APOA1 Rabbit mAb (A24291) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Immunofluorescence analysis of HepG2 cells using Apolipoprotein A1/APOA1Rabbit 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 dilition of 1:2000.

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