APOL1 Rabbit mAb

Catalog No.: A4412 Recombinant



Basic Information

Observed MW

55kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC1124

Background

This gene encodes a secreted high density lipoprotein which binds to apolipoprotein A-I. Apolipoprotein A-I is a relatively abundant plasma protein and is the major apoprotein of HDL. It is involved in the formation of most cholesteryl esters in plasma and also promotes efflux of cholesterol from cells. This apolipoprotein L family member may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Several different transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID Swiss Prot 8542 014791

Immunogen

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

Synonyms

APOL; APO-L; FSGS4; APOL-I; APOL1

Contact

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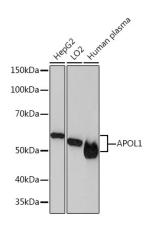
Product Information

SourceIsotypePurificationRabbitIgGAffinity 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.

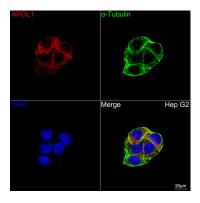


Western blot analysis of various lysates using APOL1 Rabbit mAb (A4412) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 3min.



Confocal imaging of Hep G2 cells using APOL1 Rabbit mAb (A4412, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with $\alpha\text{-Tubulin}$ Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.