

For Research Use Only

CoraLite® Plus 405-conjugated APOB Recombinant monoclonal antibody

Catalog Number:CL405-84047



Basic Information

Catalog Number:

CL405-84047

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000384

GeneID (NCBI):

338

UNIPROT ID:

P04114

Full Name:

apolipoprotein B (including Ag(x)
antigen)

Calculated MW:

516 kDa

Observed MW:

150-250 kDa, 400-520 kDa

Purification Method:

Protein A purification

CloneNo.:

240884H4

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima
wavelengths:

399 nm / 422 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse

Positive Controls:

IF-P: mouse liver tissue,

Background Information

The apolipoprotein B (APOB) is a plasma protein synthesized primarily in the liver and intestine and play an important role in lipid and cholesterol metabolism. The APOB encodes two different isoproteins through mRNA editing, APOB-48 and APOB-100. APOB-48 and APOB-100 is present in both human liver and intestine. APOB-100 is essential for the assembly of VLDL in the liver. APOB-48 is essential for the assembly of chylomicrons in the intestine. It is well established that APOB-100 levels are associated with coronary heart disease. Unlike humans and rabbits, rats and mice secrete both apoB-100- and apoB-48-containing lipoproteins from the liver as a result of the hepatic expression of APOBEC-1 (PMID: 9633945). This antibody recognizes both of APOB-48, APOB-100 (PMID:11839763, PMID:2450346).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

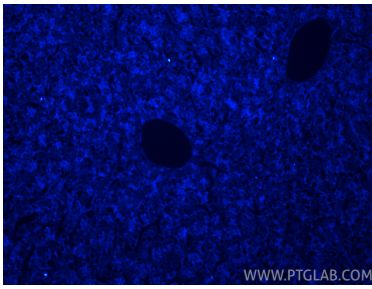
T: 4006900926

E: Proteintech-CN@ptglab.com

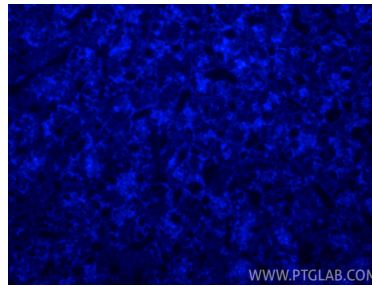
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using CoraLite® Plus 405 APOB antibody (CL405-84047, Clone: 240884H4) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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