

For Research Use Only

CoraLite® Plus 488-conjugated APOB Recombinant antibody

Catalog Number:CL488-84047



Basic Information

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| Catalog Number: CL488-84047 | GenBank Accession Number: NM_000384 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 338 | CloneNo.: 240884H4 |
| Source: Rabbit | UNIPROT ID: P04114 | Recommended Dilutions: IF-P 1:50-1:500 |
| Isotype: IgG | Full Name: apolipoprotein B (including Ag(x) antigen) | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| | Calculated MW: 516 kDa | |
| | Observed MW: 150-250 kDa, 400-520 kDa | |

Applications

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| Tested Applications: IF-P | Positive Controls: IF-P: mouse liver tissue, |
| Species Specificity: human, mouse | |

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. This antibody recognizes both of APOB-48, APOB-100 (PMID:11839763, PMID:2450346).

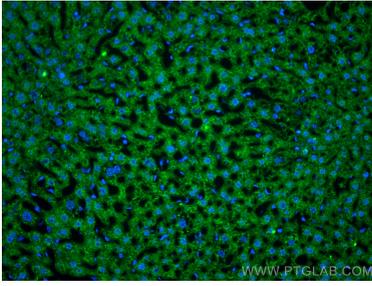
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

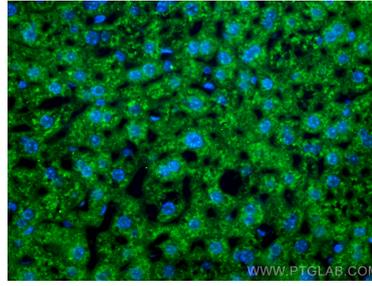
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using CoraLite® Plus 488 ApoB antibody (CL488-84047, Clone: 240884H4) at dilution of 1:100. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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