

For Research Use Only

CoraLite® Plus 405-conjugated APOB Recombinant monoclonal antibody

Catalog Number:CL405-84047



Basic Information

Catalog Number: CL405-84047	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: 399 nm / 422 nm
	Calculated MW: 516 kDa	
	Observed MW: 150-250 kDa, 400-520 kDa	

Applications

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. 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).

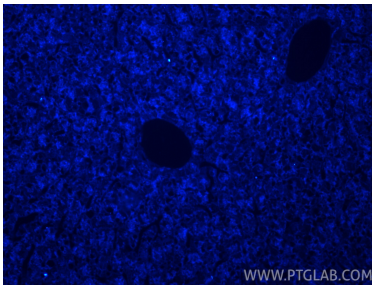
Storage

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

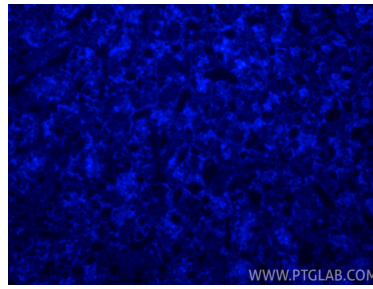
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 405 APOB antibody (CL405-84047, Clone: 240884H4) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).