

**Mouse Anti-Apolipoprotein B/ApoB [APOB/3300]: MC0391, MC0391RTU7**

**Intended Use:** For Research Use Only

**Description:** Post-transcriptional editing of Apolipoprotein B (ApoB) mRNA is regulated by APOBEC1 (also designated human (or rat) small intestinal apolipoprotein B mRNA editing protein, HEPER or REPR) in hepatic cells to achieve a steady state proportion of edited and unedited RNA molecules. Two forms of apoB are known to circulate in the plasma of mammals. ApoB-100 is a protein primarily synthesized in the liver as a structural component of very low density lipoprotein particles. A truncated form of apoB-100, apoB-48, is synthesized in the small intestine and contains the amino-terminal 2,152 amino acids of the larger protein. This organ-specific partitioning of apoB production is the result of RNA editing of a common apoB gene.

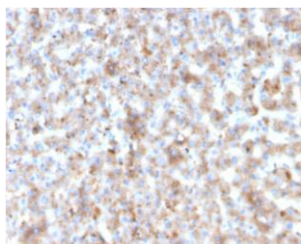
**Specifications:**

Clone: APOB/3300  
 Source: Mouse  
 Isotype: IgG2b/k  
 Reactivity: Human  
 Immunogen: Human recombinant APOB protein fragment around aa592-689  
 Localization: Secreted, cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

| Description                        | Catalog No. | Size |
|------------------------------------|-------------|------|
| Apolipoprotein B/ApoB Concentrated | MC0391      | 1 ml |
| Apolipoprotein B/ApoB Prediluted   | MC0391RTU7  | 7 ml |

**IHC Procedure\*:**

Positive Control Tissue: Liver, kidney  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual  
 \* Result should be confirmed by an established diagnostic procedure.



FFPE human liver stained with ApoB using DAB

**References:**

- Using primary murine intestinal enteroids to study dietary TAG absorption, lipoprotein synthesis, and the role of apoC-III in the intestine. Jattan J, et al. J Lipid Res 58:853-865, 2017.
- Refined purification strategy for reliable proteomic profiling of HDL2/3: Impact on proteomic complexity. Holzer M, et al. Sci Rep 6:38533, 2016.
- Maternal serum proteome changes between the first and third trimester of pregnancy in rural southern Nepal. Scholl PF, et al. Placenta 33:424-32, 2012.